



Babu Jagjivan Ram Government Degree College

Narayanaguda, Hyderabad. (T.S.) 500029

REPORT ON CERTIFICATE COURSE (2015-16)

- 1. Name of the Course: Certificate Course on Learn SQL in 30 Hours.
- 2. Department: Computer Science
- 3. Duration:08.09.2015 to 08.10.2015 No. of hours 30 Hours No. of days 15 Days
- Whether brochure containing details of curriculum, assessment, procedures, etc., is enclosed? Yes
- 5. Number of students enrolled: 30 No.s
- 6. Whether list of students is enclosed? (Yes/No): Yes
- 7. Brief Report of the Certificate Course along with the outcome:

Objectives:

The certificate course is aimed to understand database concepts through structured query language (SQL). The target group of participants includes entry level programmers as well as mid level expertise programmers.

Report:

A total of 30 Students have enrolled for the certificate course. Students with great interest actively learned the course and successfully completed the course.

Outcome: The course gave good understanding over database concepts and provided thorough hands-on experience on SQL.

Signature of I/C of Dept.:

Babu Jagjivan Ram Government Degree College

Narayanaguda, Hyderabad. (T.S.) 500029

NOTICE

07.09.2015

This is to inform all the students of B.A, B.Com and B.Sc that the department of computer science is organizing a certificate course titled "Learn SQL in 30 Hours" to scheduled from 08.09.2015 through 08.10.2015 for a period of 30 Hours. Interested students are requested to contact the in-charge, department of computer science and register for the course.

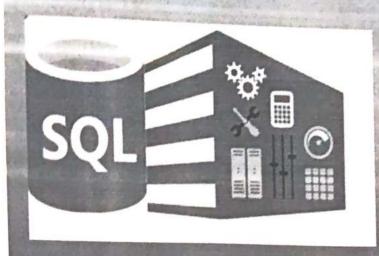
Principal

B.J.R. Govt. Lugar e C Vittal Wadi, Narayanguda, Hyderabad. T.S.



BJR Government Degree College, Hyderabad Department of Computer Science

Certificate Course on Learn SQL in 30 Hours



About the Course: This certificate course is aimed to understand database concepts through structured query language (SQL). The target group of participants includes entry level programmers as well as mid level expertise programmers

Duration: 08.09.2015 - 08.10.2015 (30 Hours)

Registration: Please register on or before 07:09:2015

Contact Incharge, Department of Computer Science

Course Brochure

PRINCIPAL

J.R. Govt. Degree College

Vittal Wadi, Narayang Hyderabad T.S

Certificate Course on

Learn SQL in 30 Hours

Duration: 30 Hours

Syllabus

Structured Query Language or SQL is a standard database language that is used to create, maintain, destroy, update and retrieve the data from relational databases like MySQL, Oracle, SQL Server, PostgreSQL, etc.

Hour 1 to Hour 6:

Start with the basic concepts: For Hour 1 to Hour 6, you'll be knowing the basic database and SQL concepts such as Creating database, SELECT Clause, etc.

- Creating Database: This concept will make you learn how to create your own database.
- Creating Tables and adding data: From this concept, you will learn how to create tables inside the database and insert data in them.
- SELECT Clause: Retrieve or fetch data from a database.
- FROM Clause: From which table in the database you have to select data.
- WHERE Clause: It forms the condition based on which data have to be queried.
- DELETE Statement: For deletion tasks.
- INSERT INTO: For insertion tasks.
- AND and OR operator: Selecting data based on AND or operator.
- <u>Drop and Truncate</u>: It will drop or truncate the collection as per the condition.
- NOT Operator: It will select the data which is not based on the given condition.

Hour 7 to Hour 12:

From Hour 7 to Hour 12, you'll take a step forward and learn few advanced concepts like nested queries, wildcard operators, and other clauses.

- WITH Clause: Understanding the concept of with clause and using it to give the sub-query block a name.
- <u>FETCH Clause</u>: It will fetch the filtered data based upon certain conditions like fetching only the top 3 rows.
- Arithmetic Operators: Using arithmetic operators to filter the data conveniently and precisely.
- Wildcard Operators: To intelligently select the exact data like names starting or ending with T.
- <u>UPDATE Statement:</u> Updating certain data entries based upon the condition provided.
- ALTER Table: Adding, dropping, or modifying table based on the given condition.

- LIKE Clause: It will follow the pattern given on the condition for search.
- BETWEEN and IN operator: It will select the data range between or in the given condition.
- CASE Statement: It will check for the conditionals and will query the data as per the respective case.
- EXISTS: It will form the nested query to filter out the data which exists in another query.

Hour 13 to Hour 18:

From Hour 13 to Hour 18, you'll be mainly learning the Aggregate functions in SQL.

- <u>DISTINCT Clause</u>: It will select only the distinct data, not repetitive.
- Count Function: Returns the total count of the data filtered.
- Sum Function: Return the sum of all the data being queried.
- · Average Function: Return the average of all the data being queried.
- Minimum Function: It will return the minimum data from the whole data that is being queried.
- Maximum Function: It will return the maximum data from the whole data that is being queried.
- ORDER BY: This statement will order the queried data as per your convenience like in ascending or descending order.
- GROUP BY: This statement will group all your queried data with the column given in the condition.
- ALL and ANY Clause: They are logical operators in SQL and return boolean value as a result.
- TOP Clause: Used to fetch the limited number of rows from a database.

Hour 19 to Hour 24:

From Hour 19 to 24, you'll be learning and practicing the Joins in SQL. It is one of the most important concepts of SQL.

- Union Clause: Just like the mathematical union operator, this clause will make the union of the tables given.
- <u>Intersection Clause:</u> It will join the two or more tables where they are intersecting.
- Aliases: It will give an alias to the table which we can refer to as later.
- <u>Cartesian Join and Self Join:</u> Sometimes to query out some data, we have to self join the table to itself.
- Inner, Left, Right and Full Joins: These four types of join comes into play when we have to join one table with another. Look upon their syntax and learn to deal with these joins.
- <u>Division Clause:</u> Division is typically required when you want to find out entities that are interacting with all entities of a set of different types of entities.
- <u>Using Clause:</u> If several columns have the same names but the datatypes do not match, the NATURAL JOIN clause can be modified with the

- LINE CHARGE II will believe the pattern grant on the constraint ter segree
- sufficient this Asia BEIWEEN 114 emmenter: H HIH range between at in the given condition
- CABL Blatement, It will check for the conditionals and one specifies had as per the respective case
- . EXISTS: It will form the nested query to filter and the Asia street above at another query.

Hour 13 to Hour 18:

From Hour 13 to Hour 18, you'll be mainly learning, the Egyptypes between III HOL

- DISTINCT Clause: It will select only the distinct data, or required
- Count Function: Returns the total count of the data thousand
- Sum l'unction: Return the sum of all the data herry, queried
- Average Function: Return the average of all the data being reserved.
- Minimum Function: It will return the minimum data been the stress free
- . Maximum Function: It will return the maximum data from the stress base
- . ORDER BY: This statement will order the question from my year great convenience like in ascending or descending order.
- · GROUP BY: This statement will group all your quested bates with the column given in the condition.
- · ALL and ANY Clause: They are logical operators in 43, and server boolean value as a result,
- TOP Clause: Used to fetch the limited number of torns brone a backgree Hour 19 to Hour 24:

From Hour 19 to 24, you'll be learning and practicing the Joins in S.J. is is one of the most important concepts of SQL.

- Union Clause: Just like the mathematical union operator, this clause will make the union of the tables given. - tables where they see
- · Intersection Clause: It will join the two on refer to as late intersecting. some data.

å

1 COSTIN thea

- Aliases: It will give an alias to the table w_____
- · Cartesian Join and Self Join: Sometimes (0.9) to self join the table to itself.
- · Inner, Left, Right and Full Joins: These four when we have to join one table with anothe learn to deal with the ns.
- typically Division Clause: D ith all en entities that are in entities.
- Using Clause: If do not match,

USING clause to specify the columns that should be used for an EQUIJOIN.

- Combining values: Combining aggregate and non-aggregate values in SQL using Joins and Over clause.
- MINUS Operator: It is used as "except" which means it will join the two
 intersecting tables and will minus one table so that only the intersection
 and the other table is covered.
 - Joining 3 or more tables: Although used very rarely but this will make you learn and understand how to join 3 or more tables and then carry out the querying operations.

Hour 25 to Hour 30:

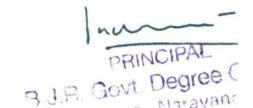
Miscellaneous: Since we have covered almost all the topics, we shall now move on to some of the miscellaneous topics, concepts, and functions. These are important parts of DBMS and SQL and will surely help you in your college exams and competitive exams like GATE CS.

- Views
- Creating Roles
- Constraints
- Transactions
- Mathematical functions
- Date functions
- Conditional Expressions
- General functions
- String functions
- Conversion Function
- Top-N Queries
- Advanced Functions

PRINCIPAL
PRINCIPAL
J.J.R. Govt. Degree College
Vittal Wadi. Narayanguda,
Hyderabad. T.S.

List of Enrolled Students - Learn SQL in 30 Hours (2015-2016)

A STATE OF THE PARTY OF THE PAR	B.A	
107014129016	JEKKARTHI SONY	8374251
107014129017	KASHAPURAM VENKATESHAM	9491228
107014129018	KETHAVATH RAJU	8341825
107014129019	MOGILGITTA SRINIVAS	9492911
107014129020	PEDDASAYABU KUMAR	92525207
107014129021	PALVAI PARAMESH	99081066
107014129022	R MEENU	96525312
107014129023	MUJEEB UR RAHMAN KHAN	80199995
107014129024	KAVALI RAKESH	95735195
	в.сом	
107014401015	SYEDA ATQUIYA SAMREEN	86861281
107014401016	YASEEN UDDIN FAROOQI	90147292
107014401017	KOPPULA JAGDISH KUMAR	90004281
107014401018	MOHAMMED ZAHEDALI	97004421
107014401019	SYED ABDUL RAHEEM SIDDIQUI	93930679
107014401020	BERI PALLAVI	94404739
107014401021	GADWAL LIKITHA	98663822
107014401022	K UMESH KUMAR	80197219
107014401023	P MOHAN KUMAR	86866490
107014405018	MOHD MUJTABA HUSSAIN	88013902
	BSC	
107014445014	NIMMALAGAARI SUNITHA	96189715
107014445015	AMTUL MOHSIN	83418931
107014445016	MOHD ANWAR HUSSAIN	95337299
107014445017	TAHERA SIDDIQUIE	80197645:
107014445018	UZMA SULTANA	934735274
107014445019	AFREEN FATIMA	817963544
107014445020	PARVEEN BEGUM	94720804
107014445021	ZAKIYA BEGUM	801910503
107014445022	AFREEN NILOUFER	991254374
107014445023	DEVARAPAGA MEGHANA	998504147
107014468009	MOHD ABID ALI KHAN	738643478



Babu Jagjivan Ram Government Degree College

Narayanaguda, Hyderahad. (T.S.) 500029

Certificate Course on Learn SQL in 30 Hours Final Assessment – Question Paper

()

What is the full form of SQL?

08.10.2015

) .	Which of the following is not a valid aggregate function? ()
1)	Union
:)	Check
')	Not Null
()	Primary Key
`	Willest of the following
	Which of the following is not Constraint in SQL? ()
i)	VARCHAR
:)	NUMERIC
1)	RAW
1)	CHAR
	which datatype can store unsuderated
	Which determine can store unstructured data in a column? ()
1)	Depends on DBA
)	Depends on no. columns
1	Only 2
.)	Only 1
J.	How many Primary keys can have in a date.
	Complex tables
)	Virtual tables
·)	Actual tables
1)	Simple tables
5.	SQL Views are also known as ()
1)	IRONORID
	TRUNCATE
	DROP
	REMOVE
)	DELETE
1.	Which statement is used to delete all rows in a table without having
	Which statement is used to delete all rows in a table without having the action logged
	UPDATE
	CREATE
1,7	ALTER
d	TRUNCATE
_	Which of the following is not a DDL command? ()
1)	CHARACTER
	DECIMAL
i)	NUMERIC
L	FLOAT
	Which of the following is not a valid SQL type? ()
47	None of these.
	Sample Query Language None of these.
	Structure Query Language
	Structured Query List

	COUNT	
n)	COMPUTE	
b)	SUM	
c) d)	MAX	
10.	Which data manipulation command is used to combines the records from one or more tables?	
10		
a)	SELECT	
b)	PROJECT	
c)	JOIN	
d)	PRODUCT	
11.	Which operator is used to compare a value to a specified list of values? ()	
a)	ANI	
b)	BETWEEN	
c)	ALL	
d)	IN	
12.	What operator tests column for absence of data ()	
a)	NOT Operator	
b)	Exists Operator	
c)	IS NULL Operator	
d)	None of the above	
13.	In which of the following cases a DML statement is not executed? ()	
a)	When existing rows are modified.	
b)	When a table is deleted.	
c)	When some rows are deleted.	
d)	All of the above	
14.	If we have not specified ASC or DESC after a SQL ORDER BY clause, the following is used by	y
default		
a)	DESC	
b)	ASC	
c)	There is no default value	
d)	None of the mentioned	
15.	Which of the following statement is true?	
a)	TRUNCATE free the table space while DELETE does not.	
b)	Both TRUNCATE and DELETE statements free the table's space.	
c)	Both TRUNCATE and DELETE statement does not free the table's space.	
d)	DELETE free the table space while TRUNCATE does not.	
16.	What is returned by INSTR ('JAVAT POINT', 'P')? ()	
a)	6	
b)	7	
c)	POINT	
d)	JAVAT	
17.	A command that lets you change one or more field in a table is:	
a)	INSERT	
b)	MODIFY	
c)	LOOK-UP	
d)	All of the above	
18.	Which of the following is also called an INNER JOIN?	
a)	SELF JOIN	
b)	EQUI JOIN	
c)	NON-EQUI JOIN	
d)	None of the above	

Which of the following is true about the HAVING clause?

Similar to the WHERE clause but is used for columns rather than groups.

Similar to WHERE clause but is used for rows rather than columns.

Similar to WHERE clause but is used for groups rather than rows.

Acts exactly like a WHERE clause.

	Acto	15-4
		lause creates temporary relation for the query on which it is defined.
20.		()
a)	WITH	

b) FROM

c) WHERE

SELECT

PRINCIPAL

PRINCIPAL

OR IR. Govt. Degros Control

Vittal Wadi, Narayanguda,

Livderabad, T.S.

Course Result

	B.A	
107014129016	JEKKARTHI SONY	Course Completed
107014129017	KASHAPURAM VENKATESHAM	Course Completed
07014129018	KETHAVATH RAJU	Course Completed
107014129019	MOGILGITTA SRINIVAS	Course Completed
107014129020	PEDDASAYABU KUMAR	Course Completed
107014129021	PALVAI PARAMESH	Course Completed
107014129022	R MEENU	Course Completed
107014129023	MUJEEB UR RAHMAN KHAN	Course Completed
107014129024	KAVALI RAKESH	Course Completed
	B.COM	
107014401015	SYEDA ATQUIYA SAMREEN	Course Completed
107014401016	YASEEN UDDIN FAROOQI	Course Completed
107014401017	KOPPULA JAGDISH KUMAR	Course Completed
107014401018	MOHAMMED ZAHEDALI	Course Completed
107014401019	SYED ABDUL RAHEEM SIDDIQUI	Course Completed
107014401020	BERI PALLAVI	Course Completed
107014401021	GADWAL LIKITHA	Course Completed
107014401022	K UMESH KUMAR	Course Completed
107014401023	P MOHAN KUMAR	Course Completed
107014405018	MOHD MUJTABA HUSSAIN	Course Completed
	BSC	
107014445014	NIMMALAGAARI SUNITHA	Course Complete
107014445015	AMTUL MOHSIN	Course Complete
107014445016	MOHD ANWAR HUSSAIN	Course Complete
107014445017	TAHERA SIDDIQUIE	Course Complete
107014445018	UZMA SULTANA	Course Complete
107014445019	AFREEN FATIMA	Course Complete
107014445020	PARVEEN BEGUM	Course Complete
107014445021	ZAKIYA BEGUM	Course Complete
107014445022	AFREEN NILOUFER	Course Complete
107014445023	DEVARAPAGA MEGHANA	Course Complete
107014468009	MOHD ABID ALI KHAN	Course Complete



BJR GOVERNMENT DEGREE COLLEGE Narayanguda, Hyderabad



Department of Computer Science/Applications

Certificate

This is to certify that Mr/Ms. <u>Jeekanni</u>. Sony
bearing registered no. 1070-14-129-016 has successfully completed
the certificate course on <u>Leann</u> SQL-830 Houns.

held during 08. 09. 2015 to 08. 10. 2015.

Coordinator

Principal

I.R. Govt. Degree College

ge

8

Student Attendance

								_
34 4949	AH endone	-	Learn	300	17	Be Heim	(2015 - 16	7

5No	Sname	08.09.15	09.09.15	10.09.15	11.09.15	74.09.15	15.09.15	1619 15	18.09.15	19 09.15
57014129916	JEKKARTHI SONY	19	3.2mm.	- A15-		19.09.15		-		1.1000
07014129017	K VEHKATESHAM	Walter	VINTI	-	3 hour	Same	T 2 17 11			· Cated
07014129018	KETHAVATH RAJU	Train		Ventral	Newsen	- A6-	At See	Vent	20	Sinte
07014125019	MOGILGITTA SRINIVAS	Swas	Lais	Reign	- A15-	Paris	- At-	Pege	-Vrau	802-71
07014179070	PEDDASAYABU KIMAR	101	MALLAN	Variety.	Sand	Lewis	Swaws	faluse-3	1.5000	1
2524121142	PALZATPAHAMESH	L. H.	1. Janes	1-11-1	Fight -	17457	Palas	12-16-0	1200	10-
07014129022	H MEENU	Mari-	bir	For	Com	Com	Com	Pour	Char	mining
107014129722	MUJEEB UR HAHMAN	Wester	Wirner	MILLIAM	- AB-	DUTTION.	- A K-	TOTAL .	25-	- 24
107014125023	KHAJI	Tehon	Kin	Vu-	Kelman	Relia	Kul	Fun-	Jaline	Kehn
107014129024	KAVALI RAKESH	4-14-H	- war	La John Sale	و المناه	4.45-	white.	ساسات	6 James	" Mines
107014401015	SYLLIN, ATQUITA SAMHEEN	Colling	S130-4.1	Colonia	Sc. Samte	Sesan	StiSman	Ylverne.	Com	Time
107014401016	YASEEN UDDIN FARDOOJ	Fragen	Farce .:	(ciconi	Correcti	Force:	Coversi	Covare:	from:	Farcos
107014401017	KOPPULA JAGDISH KUMAR	24.4	600	125.00 Ma	Worth	15-44	West.	1 - mil	15-15	1200
107014401018	MOHAMMED ZAHEDALI	Zahada	1 2-shill	- Zochatel	Zelud	2011	Zchill	20hal	7-1-1:	2000
107014401019	SYLO ADDUL RAHEEM SIODIQUI	Kahin	Kohim	Poly	Ral	20-	Palm	How.	Rehin	Rol-
107014401020	BERLEAVE	France	hallan	Pullous.	hellas	hollan-	Willer:	palso-1	hallow	4000
107014401321	GAINVAL INITHA	(in 15)	120.71	- Ducks	19:34	sett.	Link.	1 11 11/20	Ledla.	1.6
potential (C2)	A CHAPTER STRANGE	1.5	-	4		- AF -	4	4	4 375	
107014401023	C MOHAN KUMAN	1.50	1.3	1 .	Çeş .	37	Dr. +	20	1	6. Ed. 51/
107014405018	MICHED MUJITABA HUSSAIN	Pol Car	" Horiza	o Pullab	Plan	d Harland	+ Andrew	Flusho	ELLAS	
107014455014	HINIMALAGAARI SUNITIIA	Star	ya	· when	afur	Hum	Ull-	aga	-	17
107014445015	AATTUL MORSIN	s.mer	- K. W.	1 from	Amas-	4.40	fores of	1 me	V Veg	- 72-
107014445016	MOHD ANWAR HUSSAIN	MJ Second	Flet the prin	HA. Humin	Md. Husel	My Hypin	Hed Hayers	Md Hagain	Had layering	MATHE
107014445017	TAHERA SICORQUIE	199,010		-	Signification	10	Sigophu		1	Stores
107014445018	UZMA SULTANA	H-p	16	11/5	79-6	THE STATE OF	カー	H-1-	-47	1000
107014445019	AFREEN FATINGA	April	LAZIN	Mary	Minder	AN	- A3-	- A8-	Minn	-
107014445020	PARVEIN BEGUM	Penvern	Ponucer	Residen	1.	la la	Parveen			1 Arelien
107014445021	ZAKDA BIGUM	Takin	Zakar	-			n Zaking	" Taking	1 1	A
107014445022	AFREEN NIOUFER	Drieb	Ank	ALL	A	A n	Ann	Aum	ملندله	-
107014445025	DIVARAPAGA MUUNANA	liles ->	Heren	ME31-1-	الروغيسد	Magen,	1-129000	P-legens	MEG.14	- Trans
107014468009	MOHD ABID AU KHAN	on Dec			Mino	W. A. W	- mixe	- AR -	- W. J. 17	Arre

SNo.	Sname	21.09.15	22.09.15	23.09.15	24.09.15	28.09.15	08.10.15
107014129016	JEKKARTHI SONY	3 Sour	7 9000	I Samo	7.000	3.500	T. Such
107014129017	KVENKATESHAM	Venteer	Venker	Mental	Venter	112.1601	15.301.5
107014129018	KETHAVATH RAJU	7 Zaya	Rain	11Rogu	-AK-	Dan	Roya
107014129019	MOGILGITTA SRINIVAS	M. Saining	M. Srinivas	M. Srinives	M. Sirivas	M. STINIES	Mirinacl
107014129020	PEDDASAYABU KUMAR	Professor	ON KIND	mykeny	meny	men	Mun
107014129021	PALVAI PARAMESH	Par	Cus	Pago	Com "	Poor	Essi
107014129022	R MEENU	meenil	- VK-	neeu	- AB-	weener	meene
107014129023	MUJEEB UR RAHMAN KHAN	Ven	- Rus	- AB-	Rub	Prolo	Kelin
107014129024	KAVALI RAKESH	Kinney.	K.Jangar	- AB -	Koozen	F Janes	15 Jan 201
107014401015	SYEDA ATQUIYA SAMREEN	France	Gramm	Sasum	Sesem	Samo	Sec
107014401016	YASEEN UDDIN FAROOQI	Farnog:	farooz:	Former:	Ecucos:	FOLYOUR	Ferroge
107014401017	KOPPULA JAGDISH KUMAR	19mble	Control	6-7	Bust.	(D-36	Frest
107014401018	MOHAMMED ZAHEDALI	2 ched i	2 aboli	Johni	Zchel:	Del 1:	Dob.d.
107014401019	SYED ABOUL RAHEEM SIDOIQUI	Rehem	Rahm	Rober	Raham	Rahan	Rahan
107014401020	BERI PALLAVI	hellan.		Perjan	1		Pullan
107014401021	GADWAL LIETTHA	1.1.74	(:F:	1.0.1	1:1:4:0	reite	Circle
107014401022	A UMESH KUMAR	4-2-	~	V	-	2	13-
107014401023	P MOHAN KUMAR	A	Mastate	to hat open	Muhlabas	Kill sope	des.
107014405018	MOND MUITARA HUSSAIN	11 Udinas	Porton	C. Farman	プレントゥックエル	10 may 2	to mitore
107014445014	NINIMALAGAARI SUNITILA	70	ga-	Acc	ere-	of w	gu
107014445015	AMTUL MORSIN	V 2000	* and	4. Nes-	r.no	Los	- NB -
107014445016	MOHD ANWAR HUSSAIN	M. Husin	and threin	Gidagee	MINGS	Ned Hyskin	Militain
107014445017	TAHERA SIDDIQUIE	Siddique	Sieces		Siddle	Siddiguic	Siddyguin
107014445018	UZMA SULTANA	MAC	44	-A8-	de	-47h	-44
107014445019	AFREEN FATIMA	Minn	Musey	Micen	Afren	Hickory	Africal
107014445020	PARVEEN BEGUAT	1	moven	Parvon	Parvica	parven	OCH VERY
107014445021	ZAKIYA BEGUNI	Zaking?	- Earlings	Taking	Zakiyi	Zakingen	1 Zakeyer
107014445022	AFREEN NILOUFER	Finis	Ani ~	Ann	Anil	Anila	And
107014445023	DEVARAPAGA MEGHANA	6.8-13	everte.	or h	41-5	mod -	1935
107014468009	MOND ABID ALI KHAN	m.22	wron	-ex. g	w.4. re-	~ Net-	m. 2000

3 J F Degrat Called