

Module 4) DA - SQL - Introduction and Getting started with sql

Assessment 1:

Sample Table – Worker					
WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
1	Monika	Arora	100000	2/20/2014 9:00	HR
2	Niharika	Verma	80000	6/11/2014 9:00	Admin
3	Vishal	Singhal	300000	2/20/2014 9:00	HR
4	Amitabh	Singh	500000	2/20/2014 9:00	Admin
5	Vivek	Bhati	500000	6/11/2014 9:00	Admin
6	Vipul	Diwan	200000	6/11/2014 9:00	Account
7	Satish	Kumar	75000	1/20/2014 9:00	Account
8	Geetika	Chauhan	90000	4/11/2014 9:00	Admin

1. Write an SQL query to print all Worker details from the Worker table order by FIRST_NAME Ascending and DEPARTMENT Descending.
2. Write an SQL query to print details for Workers with the first names “Vipul” and “Satish” from the Worker table.
3. Write an SQL query to print details of the Workers whose FIRST_NAME ends with ‘h’ and contains six alphabets.
4. Write an SQL query to print details of the Workers whose SALARY lies between 1.
5. Write an SQL query to fetch duplicate records having matching data in some fields of a table.
6. Write an SQL query to show the top 6 records of a table.
7. Write an SQL query to fetch the departments that have less than five people in them.
8. Write an SQL query to show all departments along with the number of people in there.
9. Write an SQL query to print the name of employees having the highest salary in each department.

Question 2: Open school database, then select student table and use following SQL statements.
TYPE THE STATEMENT, PRESS ENTER AND NOTE THE OUTPUT

StdID	StdName	Sex	Percentage	Class	Sec	Stream	DOB
1001	Surekha Joshi	Female	82	12	A	Science	3/8/1998
1002	MAAHI AGARWAL	Female	56	11	C	Commerce	11/23/2008
1003	Sanam Verma	Male	59	11	C	Commerce	6/29/2006
1004	Ronit Kumar	Male	63	11	C	Commerce	11/5/1997
1005	Dipesh Pulkit	Male	78	11	B	Science	14/09/2003
1006	JAHANVI Puri	Female	60	11	B	Commerce	11/7/2008
1007	Sanam Kumar	Male	23	12	F	Commerce	3/8/1998
1008	SAHIL SARAS	Male	56	11	C	Commerce	11/7/2008
1009	AKSHRA AGARWAL	Female	72	12	B	Commerce	10/1/1996
1010	STUTI MISHRA	Female	39	11	F	Science	11/23/2008
1011	HARSH AGARWAL	Male	42	11	C	Science	3/8/1998
1012	NIKUNJ AGARWAL	Male	49	12	C	Commerce	28/06/1998
1013	AKRITI SAXENA	Female	89	12	A	Science	11/23/2008
1014	TANI RASTOGI	Female	82	12	A	Science	11/23/2008

- 1 To display all the records form STUDENT table. `SELECT * FROM student ;`
2. To display any name and date of birth from the table STUDENT. `SELECT StdName, DOB FROM student ;`
3. To display all students record where percentage is greater of equal to 80 FROM student table. `SELECT * FROM student WHERE percentage >= 80;`
4. To display student name, stream and percentage where percentage of student is more than 80 `SELECT StdName, Stream, Percentage WHERE percentage > 80;`
5. To display all records of science students whose percentage is more than 75 form student table. `SELECT * FORM student WHERE stream = 'Science' AND percentage > 75;`