`Assignment

**PRN NO - 230945920032\_230945920091**

Sept23/ DBT/ 006

Database Technologies

Diploma in Advance Computing

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**String, Date, Math functions, and Date formats.**

USE ***student\_phone, student\_address, faculty\_phone, faculty\_address, batch\_students, course\_batches, student\_qualifications, faculty\_qualifications, course\_modules, modules, faculty, student, course, student\_cards, and student\_order*** relation to solve the following queries.

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| 1. Get student *namefirst* with how many characters are there in their *namefirst*. |
| **mysql> select namefirst, length(namefirst) NO\_OF\_Character from student;** |
|  |
| 1. Get student details whose *namefirst* is having 4 characters only. |
| **mysql> select \* from student where length(namefirst)=4;** |
|  |
| 1. Get the ASCII value of the 3rd character of *namefirst* column. |
| **mysql> select namefirst, ascii(substr(namefirst,3,1)) R1 from student;** |
|  |
| 1. Get *namefirst* and *namelast* in lowercase. |
| **mysql> select LCASE(namefirst), LCASE(namelast) from student;** |
|  |
| 1. Get (namefirst, namelast, and emailID) all 7 letter emailID. |
| **mysql> select namefirst, namelast, LPAD(emailID,7,'') from student; // mysql> select namefirst,namelast,left(emailID,7) from student;** |
|  |
| 1. Get *(namefirst, namelast and first 3 letters of namefirst)* for all students. |
| **mysql> select namefirst,namelast, LPAD(namefirst,3,'') from student; // mysql> select namefirst,namelast, LEFT(namefirst,3) from student;** |
|  |
| 1. Get *(namefirst, namelast and last 3 letters of namefirst)* for all student. |
| **mysql> select namefirst,namelast, RIGHT(namefirst,3) from student;** |
|  |
| 1. Get all student *(phonenumber)* whose *phonenumber* starts with 70. |
| **mysql> select \* from student\_phone where INSTR(number,'70');** |
|  |
| 1. Get student details of first 5 student. |
| **mysql> select \* from student limit 5;** |
|  |
| 1. Get student details of last 5 student. |
| **mysql> select \* from student limit 5 offset 23;** |
|  |
| 1. Get student details in ascending order of *namefirst*. |
| **mysql> select \* from student order by namefirst ;** |
|  |
| 1. Get student details in descending order of *namelast*. |
| **mysql> select \* from student order by namelast desc;** |
|  |
| 1. Get *(student id, namefirst, namelast, dob, and emailID)* for all students whose length of email id is more than 20 characters. |
| **mysql> select id,namefirst,namelast, DOB, emailID from student where (length(emailID)>20);** |
|  |
| 1. Combine to display student *namefirst* and *namelast*. |
| **mysql> select namefirst, namelast , CONCAT(namefirst,namelast) from student;** |
|  |
| 1. Write a query to display the following output for all student. If (*namefirst*, *namelast or emailID)* is null then replace it with a blank space.   **eg. (Bhoopali Nanadikar and emailIDis bhoopali.nanadikar@gmail.com)** |
| **mysqlmysql> select \*,ifnull(namefirst,' '),ifnull(namelast,' '), ifnull(emailid,' '),concat(namefirst,namelast,' and ',' emailID is ',emailID) R3 from student;** |
|  |
| 1. Get student *namefirst* and *namelast* in upper case. |
| **mysql> select UCASE(namefirst),UCASE(namelast) from student;** |
|  |
| 1. Get student firstname and *lastname* in lower case. |
| **mysql> select LCASE(namefirst), LCASE(namelast) from student;** |
|  |
| 1. Get student *firstname* and *lastname* in reverse order. |
| **mysql> select REVERSE(namefirst), REVERSE(namelast) from student;** |
|  |
| 1. Get first 4 letters of student *namefirst*. |
| **select namefirst, LEFT(namefirst,4) R1 from student;** |
|  |
| 1. Get second letter of student *namefirst* to second last letter of student *namefirst*. |
| **mysql> select namefirst, SUBSTR(namefirst,2,LENGTH(namefirst)-2) R1 from student;** |
|  |
| 1. Get ASCII character of student *namefirst*. |
| **mysql> select namefirst, ASCII(namefirst) from student;** |
|  |
| 1. Get first 5 letter of the students’ *namefirst*. |
| **mysql> select namefirst, LEFT(namefirst,5) R1 from student;** |
|  |
| 1. Print *phone number* of all student in the given format 7032300034\*\*\*\*\*. |
| **mysql> select id, studentID,number, RPAD(right(number,10),15,'\*') from student\_phone;** |
|  |
| 1. Get all student whose DOB is in the month of ‘October’. |
| **mysql> select \* from student where MONTH(DOB)=10;** |
|  |
| 1. Get all student whose DOB is in the month of ‘January’ or ‘December’. |
| **mysql> select \* from student where MONTH(DOB) in(10,12);** |
|  |
| 1. Get all faculty who were born on ‘Sunday’ |
| **mysql> select \* from faculty where dayname(DOB)=0;** |
|  |
| 1. Print current date and time. |
| **select now(); // select current\_date(), current\_time();** |
|  |
| 1. Extract month from the current date. |
| **select MONTH(current\_date());** |
|  |
| 1. Extract year from the current date. |
| **mysql> select Year(current\_date());** |
|  |
| 1. Get all student whose DOB is in the year 1984 in ascending order of *namefirst.* |
| **mysql> select \* from student where YEAR(DOB)=1984 order by namefirst;** |
|  |
| 1. Get all student whose DOB is in the 4 quarter of a year. |
| **mysql> select \* from student where QUARTER(DOB)=4;** |
|  |
| 1. Get all student whose DOB is in the 43rd week of a year. |
| **mysql> select \* from student where weekofyear(DOB)=43;** |
|  |
| 1. Get all student whose DOB is in between 10 and 19 day. |
| **mysql> select \* from student where (day(DOB) between 10 and 19);** |
|  |
| 1. Generate the random number between 1 to 100 |
| **mysql> select floor( rand()\*100) ;** |
|  |
| 1. Display the 5 character of namefirst column from student table. |
| **mysql> select namefirst, left(namefirst,5) from student;** |
|  |
| 1. Display all student in ascending order of their DOB, the ordering must be done on weekday name starting form ‘Monday’, ‘Tuesday’…… |
| **mysql> select \*,dayname(DOB) from student order by DOB, dayname(DOB);** |
|  |
| 1. Display all student who’s DOB comes in the 4th quarter of the year. |
| **mysql> select \* from student where QUARTER(DOB)=4;** |
|  |
| 1. Display all student who were born on ‘Sunday’. |
| **mysql> select \* from student where dayname(DOB)=0;** |
|  |
| 1. Display the DOB in the give format **‘12th of June 1984’** |
| **mysql> select dob, date\_format(dob, '%D of %b %Y') from student;** |
|  |
| 1. Display all course\_batches who ends on ‘Sunday’. |
| **mysql> select \* from course\_batches where dayname(endson)=0;** |
|  |
| 1. Display student\_phone number in the following format “7032\*\*\*\*\*\*” for all students. |
| **mysql> select number, RPAD(left(number,4),10,'\*') from student\_phone;** |
|  |
| 1. Display student\_phone number in the following format “7032\*\*\*\*8765” for all students. |
| **mysql> select number, concat(left(number,4),'\*\*\*\*',right(number,4)) R1 from student\_phone;** |
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