Assignment

August/ DBT/ 006

Database Technologies

Diploma in Advance Computing

August 2024­­­­­-­­­­

**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*. |
| **select namefirst ,length(namefirst) from student;** |
|  |
| 1. Get student details whose *namefirst*is having 4 characters only. |
| select namefirst from student where length(namefirst)=4; |
|  |
| 1. Get the ASCII value of the 3rd character of *namefirst* column. |
| select namefirst, ASCII(SubStr(namefirst,3,1)) from student; |
|  |
| 1. Get *namefirst* and *namelast* in lowercase. |
| select Lcase(namefirst),Lcase(namelast) from Student; |
|  |
| 1. Get (namefirst, namelast, and emailID) all 7 letter emailID. |
|  |
|  |
| 1. Get *(namefirst, namelast and first 3 letters of namefirst)* for all students. |
| select namefirst, namelast ,SubStr(namefirst,1,3) first3letter from student; |
|  |
| 1. Get*(namefirst, namelast and last 3 letters of namefirst)* for all student. |
| select namefirst, namelast ,SubStr(namefirst,-3,3) first3letter from student; |
|  |
| 1. Get all student *(phonenumber)* whose *phonenumber* starts with 70. |
| select studentid, number from student\_phone where Substr(number,1,2)=70 ; |
|  |
| 1. Get student details of first 5 student. |
| select \* from student limit 5; |
|  |
| 1. Get student details of last 5 student. |
| select \* from student order by id desc limit 5; |
|  |
| 1. Get student details in ascending order of *namefirst*. |
| select \* from student order by namefirst; |
|  |
| 1. Get student details in descending order of *namelast*. |
| 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. |
| select \* from student where Length(emailid)>20; |
|  |
| 1. Combine to display student *namefirst* and *namelast*. |
| select concat(namefirst,namelast)Name 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)** |
| select ifnull(concat(namefirst,' ',namelast,' and EmailId is ',emailid)," ")detail from student; |
|  |
| 1. Get student *namefirst* and *namelast* in upper case. |
| select upper(namefirst) ,upper(namelast) from student; |
|  |
| 1. Get student firstname and *lastname* in lower case. |
| select lower(namefirst) ,lower( namelast) from student; |
|  |
| 1. Get student *firstname* and *lastname* in reverse order. |
| select reverse(namefirst) ,reverse(namelast) from student; |
|  |
| 1. Get first 4 letters of student *namefirst*. |
| select substring(namefirst,1,4) from student; |
|  |
| 1. Get second letter of student *namefirst* to second last letter of student *namefirst*. |
| select concat(substring(namefirst,2,1), substring(namefirst,1,Length(namefirst)-2)) as concat from student; |
|  |
| 1. Get ASCII character of student *namefirst*. |
| select ascii(namefirst) from student; |
|  |
| 1. Get first 5 letter of the students’ *namefirst*. |
| select substring(namefirst,1,5) from student; |
|  |
| 1. Print *phone number* of all student in the given format 7032300034\*\*\*\*\*. |
| select rpad(number,15,'\*') from student\_phone; |
|  |
| 1. Get all student whose DOB is in the month of ‘October’. |
| select \* from student where month(dob)=10; |
|  |
| 1. Get all student whose DOB is in the month of ‘January’ or ‘December’. |
| select \* from student where month(dob)=12 or month(dob)= 1; |
|  |
| 1. Get all faculty who were born on ‘Sunday’ |
| select \* from faculty where dayname(dob) ='sunday'; |
|  |
| 1. Print current date and time. |
| select now(); |
|  |
| 1. Extract month from the current date. |
| select extract(month from now()); |
|  |
| 1. Extract year from the current date. |
| select extract(year\_month from now()); |
|  |
| 1. Get all student whose DOB is in the year 1984 in ascending order of *namefirst.* |
| select namefirst from student where year(dob)='1984' order by namefirst; |
|  |
| 1. Get all student whose DOB is in the 4 quarter of a year. |
| select \* from student where month(dob) in(10,11,12); |
|  |
| 1. Get all student whose DOB is in the 43rd week of a year. |
| select \* from student where Week(DOB)=43; |
|  |
| 1. Get all student whose DOB is in between 10 and 19 day. |
| select \* from student where day(dob)>10 and day(dob)<19; |
|  |
| 1. Generate the random number between 1 to 100 |
| select floor(1+rand()\*100) ; |
| 1. Display the 5 character of namefirst column from student table. |
| select substr(namefirst,1,5) from student; |
|  |
| 1. Display all student in ascending order of their DOB, the ordering must be done on weekday name starting form ‘Monday’, ‘Tuesday’…… |
| select \* ,dayname(dob)as Day from STUDENT order by weekday(dob); |
|  |
| 1. Display all student who’s DOB comes in the 4th quarter of the year. |
| select \* from student where month(dob) in(10,11,12); |
|  |
| 1. Display all student who were born on ‘Sunday’. |
| select namefirst from student where dayname(dob)='sunday'; |
|  |
| 1. Display the DOB in the give format **‘12th of June 1984’** |
| select namefirst, date\_format(dob,'%d of %b %y') from student; |
|  |
| 1. Display all course\_batches who ends on ‘Sunday’. |
| select \* from course\_batches where dayname(endson)='sunday'; |
|  |
| 1. Display student\_phone number in the following format “7032\*\*\*\*\*\*” for all students. |
| select rpad(substring(number,1,4),10,'\*') from student\_phone; |
|  |
| 1. Display student\_phone number in the following format “7032\*\*\*\*8765” for all students. |
| select concat(rpad(substring(number,1,3),7,'\*'),substring(number,8,10)) from student\_phone; |
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