Assignment

Sept23/ DBT/ 006

Database Technologies

Diploma in Advance Computing

September 2023

**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)r1 from student; |
|  |
| 1. Get student details whose *namefirst* is having 4 characters only. |
| select id, namefirst ,namelast, dob,emailid,(length(namefirst))r1 from student where length(namefirst)=4; |
|  |
| 1. Get the ASCII value of the 3rd character of *namefirst* column. |
| select namefirst,ascii(substr(namefirst,3))r1 from student; |
|  |
| 1. Get *namefirst* and *namelast* in lowercase. |
| select namefirst,namelast, lower(namefirst)r1,lower(namelast)r2 from student; |
|  |
| 1. Get (namefirst, namelast, and emailID) all 7 letter emailID. |
| select namefirst,namelast,emailid,(left(emailid,7))r1 from student; |
|  |
| 1. Get *(namefirst, namelast and first 3 letters of namefirst)* for all students. |
| select namefirst,namelast,emailid,(left(namefirst,3))r1 from student; |
|  |
| 1. Get *(namefirst, namelast and last 3 letters of namefirst)* for all student. |
| select namefirst,namelast,emailid,(right(namefirst,3))r1 from student; |
|  |
| 1. Get all student *(phonenumber)* whose *phonenumber* starts with 70. |
| select id, studentid, number, isactive,(left(number,2))r1 from student\_phone where (left(number,2)=70); |
|  |
| 1. Get student details of first 5 student. |
| select ID,namefirst,namelast,DOB,emailid from student limit 5; |
|  |
| 1. Get student details of last 5 student. |
| select ID,namefirst,namelast,DOB,emailid from student limit 23,5; |
|  |
| 1. Get student details in ascending order of *namefirst*. |
| select ID,namefirst,namelast,DOB,emailid from student order by namefirst; |
|  |
| 1. Get student details in descending order of *namelast*. |
| select ID,namefirst,namelast,DOB,emailid 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 ID,namefirst,namelast,DOB,emailid,length(emailid)r1 from student where length(emailid)>=20; |
|  |
| 1. Combine to display student *namefirst* and *namelast*. |
| select namefirst,namelast , concat (namefirst , ' ',namelast)r1 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 namefirst,namelast , concat (namefirst , ' ',namelast)r1 ,emailid from student; |
|  |
| 1. Get student *namefirst* and *namelast* in upper case. |
| select namefirst,namelast ,lower (namefirst)r1,upper(namelast) r2 from student; |
|  |
| 1. Get student firstname and *lastname* in lower case. |
| select namefirst,namelast ,lower (namefirst)r1,lower(namelast) r2 from student; |
|  |
| 1. Get student *firstname* and *lastname* in reverse order. |
| select namefirst,namelast ,reverse (namefirst)r1,reverse(namelast) r2 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*. |
| select namefirst , left(namefirst,2)r1,right(namefirst,2)r2 from student; |
|  |
| 1. Get ASCII character of student *namefirst*. |
| select namefirst , ascii(namefirst)r1 from student; |
|  |
| 1. Get first 5 letter of the students’ *namefirst*. |
| select namefirst ,left(namefirst,5)r1 from student; |
|  |
| 1. Print *phone number* of all student in the given format 7032300034\*\*\*\*\*. |
| select number, concat(number,'\*\*\*\*\*')R1 from student\_phone; |
|  |
| 1. Get all student whose DOB is in the month of ‘October’. |
| select id,namefirst, namelast, DOB, date\_format(DOB,'%m')r1 from student where date\_format(DOB,'%m')=10; |
|  |
| 1. Get all student whose DOB is in the month of ‘January’ or ‘December’. |
| select id,namefirst, namelast, DOB,date\_format(DOB,'%m')r1 from student where date\_format(DOB,'%m')in (1,12); |
|  |
| 1. Get all faculty who were born on ‘Sunday’ |
| select ID, namefirst, namelast ,DOB, emailid, date\_format(DOB,'%a')R1 from faculty where id=5; |
|  |
| 1. Print current date and time. |
| select curdate(),curtime(); |
|  |
| 1. Extract month from the current date. |
| select extract(month from current\_timestamp); |
|  |
| 1. Extract year from the current date. |
| select extract(year from current\_timestamp); |
|  |
| 1. Get all student whose DOB is in the year 1984 in ascending order of *namefirst.* |
| select id, namefirst, namelast, DOB, date\_format(DOB,'%Y')R1 from student where date\_format(DOB,'%Y')=1984 order by namefirst asc; |
|  |
| 1. Get all student whose DOB is in the 4 quarter of a year. |
| select id, namefirst, namelast, DOB, date\_format(DOB,'%m')R1 from student where date\_format(DOB,'%m')in (10,11,12); |
|  |
| 1. Get all student whose DOB is in the 43rd week of a year. |
| select id,ID,namefirst,namelast,DOB,emailID,extract(week from DOB)R1 from student where extract(week from DOB)=43; |
|  |
| 1. Get all student whose DOB is in between 10 and 19 day. |
| . select id,ID,namefirst,namelast,DOB,emailID,extract(day from DOB)R1 from student where extract(day from DOB) between 10 and 19; |
|  |
| 1. Generate the random number between 1 to 100 |
| Select floor(rand()\*100); |
|  |
| 1. Display the 5 character of namefirst column from student table. |
| Select 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’…… |
| Select \* from student order by dob,dayname(dob); |
|  |
| 1. Display all student who’s DOB comes in the 4th quarter of the year. |
| Select \* from student where extract(quarter from dob)=4; |
|  |
| 1. Display all student who were born on ‘Sunday’. |
| Select \* from student where dayname(dob)='sunday'; |
|  |
| 1. Display the DOB in the give format **‘12th of June 1984’** |
| Select date\_format(dob, %D of %M %Y) from student; |
|  |
| 1. Display all course\_batches who ends on ‘Sunday’. |
| Select name from course\_batches where dayname(endson)='Sunday'; |
|  |
| 1. Display student\_phone number in the following format “7032\*\*\*\*\*\*” for all students. |
| select concat(left(number,4),'\*\*\*\*\*\*') from student\_phone; |
|  |
| 1. Display student\_phone number in the following format “7032\*\*\*\*8765” for all students. |
| select concat(left(number,4),'\*\*\*\*',right(number,4)) from student\_phone; |
|  |