Assignment

March23/ DBT/ 006

Database Technologies

Diploma in Advance Computing

March 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.

|  |
| --- |
| 1. Get student *namefirst* with how many characters are there in their *namefirst*. |
| select namefirst,char\_length(namefirst) c1 from student; |
|  |
| 1. Get student details whose *namefirst* is having 4 characters only. |
| select namefirst from student where char\_length(namefirst)=4; |
|  |
| 1. Get the ASCII value of the 3rd character of *namefirst* column. |
| select ascii( substr(namefirst,3,1)) from student; |
|  |
| 1. Get *namefirst* and *namelast* in lowercase. |
| select namefirst,namelast,lcase(namefirst)c1,lcase(namelast)c2 from student; |
|  |
| 1. Get (namefirst, namelast, and emailID) all 7 letter emailID. |
| Select namefirst, namelast , emailID from student where char\_length(emailID)=7; |
|  |
| 1. Get *(namefirst, namelast and first 3 letters of namefirst)* for all students. |
| Select *namefirst, namelast from student where namefirst limit 3;* |
|  |
| 1. Get*(namefirst, namelast and last 3 letters of namefirst)* for all student. |
| select namefirst,namelast, right(namefirst,3)c2 from student; |
|  |
| 1. Get all student *(phonenumber)* whose *phonenumber* starts with 70. |
| Select \* from student\_phone where substring(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 limit 23,5; |
|  |
| 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 id,namefirst,namelast,DOB,emailID from student where char\_length(emailID)>20; |
|  |
| 1. Combine to display student *namefirst* and *namelast*. |
| Select namefirst,namelast concat(namefirst,namelast)c1 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 concat(ifnull(namefirst , " ")," ", ifnull( namelast, " "), " and emailid is ", ifnull(emailid, " ")) from student; |
|  |
| 1. Get student *namefirst* and *namelast* in upper case. |
| Select namefirst,namelast,ucase(namefirst),ucase(namelast) from student; |
|  |
| 1. Get student firstname and *lastname* in lower case. |
| Select namefirst,namelast,lcase(namefirst),lcase(namelast) from student; |
|  |
| 1. Get student *firstname* and *lastname* in reverse order. |
| Select namefirst,namelast,reverse(namefirst),reverse(namelast) from student; |
|  |
| 1. Get first 4 letters of student *namefirst*. |
| Select namefirst, substring(namefirst,1,4)c1 from student; |
|  |
| 1. Get second letter of student *namefirst* to second last letter of student *namefirst*. |
| **Select namefirst,namelast, substring(namefirst,2,(char\_length(namefirst))-2)c1 from student;** |
|  |
| 1. Get ASCII character of student *namefirst*. |
| Select ASCII(namefirst) from student; |
|  |
| 1. Get first 5 letter of the students’ *namefirst*. |
| Select namefirst,left(namefirst,5) from student; |
|  |
| 1. Print *phone number* of all student in the given format 7032300034\*\*\*\*\*. |
| Select number, RPAD(number,15,'\*') from student\_phone; |
|  |
| 1. Get all student whose DOB is in the month of ‘October’. |
| Select \* from student where substring(DOB,6,2)=10; |
|  |
| 1. Get all student whose DOB is in the month of ‘January’ or ‘December’. |
| Select \* from student where substring(DOB,6,2)=01 or substring(DOB,6,2)=12; |
|  |
| 1. Get all faculty who were born on ‘Sunday’ |
| select \* from faculty where dayofweek(DOB)=1; |
|  |
| 1. Print current date and time. |
| select curdate(), curtime(); |
|  |
| 1. Extract month from the current date. |
| Select extract(month from now()); |
|  |
| 1. Extract year from the current date. |
| Select extract(year from now()); |
|  |
| 1. Get all student whose DOB is in the year 1984 in ascending order of *namefirst.* |
| Select \* from student where substring(DOB,1,4)=1984 order by namefirst; |
|  |
| 1. Get all student whose DOB is in the 4 quarter of a year. |
| SELECT \* from student where QUARTER(DOB)=4; |
|  |
| 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)>9 and day(DOB)<20; |
|  |
| 1. Generate the random number between 1 to 100 |
| Select ceiling(rand()\*100); |
|  |
| 1. Display the 5 character of namefirst column from student table. |
| 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’…… |
|  |
|  |
| 1. Display all student who’s DOB comes in the 4th quarter of the year. |
| SELECT \* from student where QUARTER(DOB)=4; |
|  |
| 1. Display all student who were born on ‘Sunday’. |
| select \* from student where dayofweek(DOB)=1; |
|  |
| 1. Display the DOB in the give format **‘12th of June 1984’** |
| select date\_format(Dob, '%D Of %b %Y') as formatted\_date from student; |
|  |
| 1. Display all course\_batches who ends on ‘Sunday’. |
| select \* from course\_batches where dayofweek(endson)=1; |
|  |
| 1. Display student\_phone number in the following format “7032\*\*\*\*\*\*” for all students. |
| Select number, RPAD(left(number,4),10,'\*') from student\_phone; |
|  |
| 1. Display student\_phone number in the following format “7032\*\*\*\*8765” for all students. |
| Select concat(rpad(left(number,4),8,"\*"),right(number,4)) from student\_phone; |
|  |