Assignment

March2023/ DBT/ 006

Database Technologies

Diploma in Advance Computing

March2023

**String, Date,Mathfunctions, 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.

|  |
| --- |
| * Get student *namefirst*with how many characters are there in their *namefirst*. |
| select namefirst, length(namefirst) R1 from student ; |
|  |
| * Get student details whose *namefirst*is having 4 characters only. |
| select \* from student where length(namefirst)=4; |
|  |
| * Get the ASCII value of the 3rd character of *namefirst*column. |
| select ascii(substr(namefirst,3))R1 from student; |
|  |
| * Get *namefirst* and *namelast*in lowercase. |
| select lcase(namefirst) name1,(namelast) name2 from student; |
|  |
| * Get (namefirst, namelast, and emailID)all 7 letter emailID. |
| select namefirst,namelast,emailid,substr(emailid,1,7)Email from student; |
|  |
| * Get*(namefirst, namelast and first 3 letters of namefirst)* for all students. |
| select namefirst, namelast, left(namefirst,3)N1 from student; |
|  |
| * Get*(namefirst, namelast and last 3 letters of namefirst)* for all student. |
| select namefirst, namelast, right(namefirst,3)N1 from student; |
|  |
| * Get all students*(phone number)* whose *phone number* starts with 70. |
| select number from student\_phone where number like'70%'; |
|  |
| * Get student details of first 5 students. |
| select \* from student limit 5; |
|  |
| * Get student details of last 5 students. |
| select \* from student order by id desc limit 5; |
|  |
| * Get student details in ascending order of *namefirst*. |
| select \* from student order by namefirst asc; |
|  |
| * Get student details in descending order of *namelast*. |
| select \* from student order by namelast desc; |
|  |
| * Get *(studentid, namefirst, namelast, dob, and emailID)* for all students whose length of email id is more than 20 characters. |
| select id,namefirst,dob,emailid from student where length(emailid)>20; |
|  |
| * Combine to display student*namefirst* and *namelast*. |
| select concat(namefirst,namelast) FullName from student; |
|  |
| * Write a query to display the following output for all student. If (*namefirst*, *namelastoremailID)* is null then replace it with a blank space.   **eg. (Bhoopali Nanadikar and emailIDis bhoopali.nanadikar@gmail.com)** |
| select ifnull(namefirst,'') Check1, ifnull(namelast,'')Check2, ifnull(emailID,'')Check3 from student; |
|  |
| * Get student *namefirst* and *namelast* in upper case. |
| select ucase(namefirst)Name1, ucase(namelast) Name2 from student; |
|  |
| * Get student firstName and *lastname* in lower case. |
| select lcase(namefirst)Name1, lcase(namelast) Name2 from student; |
|  |
| * Get student*firstName* and *lastname* in reverse order. |
| select reverse(namefirst) Name1,reverse(namelast)Name2 from student; |
|  |
| * Get first 4 letters of student*namefirst*. |
| select left(namefirst,4)Name1 from student; |
|  |
| * Get second letter of student *namefirst* to second last letter of student *namefirst*. |
| select substr(namefirst,2,length(namefirst)-2)Name1 from student; |
|  |
| * Get ASCII character of student *namefirst*. |
| select ascii(namefirst)ASCII from student; |
|  |
| * Get first 5 letter of the students’*namefirst*. |
| select left(namefirst,5)Name1 from student; |
|  |
| * Print *phone number* of all student in the given format 7032300034\*\*\*\*\*. |
| select rpad(number,15,'\*')No from student\_phone; |
|  |
| * Get all students whose DOB is in the month of ‘October’. |
| select \* from student where monthname(DOB)='October'; |
|  |
| * Get all students whose DOB is in the month of ‘January’ or ‘December’. |
| select \* from student where monthname(DOB)='January' or 'December'; |
|  |
| * Get all faculty who were born on ‘Sunday’ |
| select \* from faculty where dayname(DOB)='Sunday'; |
|  |
| * Print current date and time. |
| select now(); |
|  |
| * Extract month from the current date. |
| select month(now()); |
|  |
| * Extract year from the current date. |
| select year(now()); |
|  |
| * Get all students whose DOB is in the year 1984 in ascending order of *namefirst.* |
| select \* from student where year(DOB)='1984' order by namefirst asc; |
|  |
| * Get all students whose DOB is in the 4 quarter of a year. |
| select \* from student where month(dob) > 9; |
|  |
| * Get all students whose DOB is in the 43rd week of a year. |
| select \* from student where week(dob)=43; |
|  |
| * Get all student whose DOB is in between 10 and 19 day. |
| select \* from student where day(dob)>10 and day(dob)<19; |
|  |
| * Generate the random number between 1 to 100 |
| select round(rand()\*100); |
|  |
| * Display the 5 character of namefirst column from student table. |
| select substr(namefirst,1,5),substr(namelast,1,5) from student; |
|  |
| * Display all student in ascending order of their DOB, the ordering must be done on weekday name starting form   First Time: ‘Monday’, ‘Tuesday’…… ‘Sunday’  Second Time: ‘Friday’, ‘Saturday’ …… ‘Thursday’  Third Time: ‘Wednesday’, ‘Thursday’…… ‘Tuesday’ |
|  |
|  |
| * Display all student who’s DOB comes in the 4th quarter of the year. |
| select \* from student where month(dob) > 9; |
|  |
| * Display all students who were born on ‘Sunday’. |
| select \* from student where dayname(dob)='sunday'; |
|  |
| * Display the DOB in the give format **‘12th of June 1984’** |
|  |
|  |
| * Display all course\_batches who ends on ‘Sunday’. |
|  |
|  |
| * Display student\_phone number in the following format “7032\*\*\*\*\*\*” for all students. |
| select rpad(left(number,4),10,'\*')N1 from student\_phone; |
|  |
| * Display student\_phone number in the following format “7032\*\*8765” for all students. |
|  |
|  |
| * Display nameFirst and count how many ‘A’ char in appearing in their names. |
|  |
|  |