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) from student; |
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| 1. Get student details whose *namefirst* is having 4 characters only. |
| select \* from student where length(namefirst)=4; |
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| 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 lower(namefirst), lower(namelast) from student; |
|  |
| 1. Get (namefirst, namelast, and emailID) all 7 letter emailID. |
| select substr(emailID , 1, 7)from student; |
|  |
| 1. Get *(namefirst, namelast and first 3 letters of namefirst)* for all students. |
| select namefirst , namelast , substr(namefirst,1,3) from student; |
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| 1. Get *(namefirst, namelast and last 3 letters of namefirst)* for all student. |
| select namefirst , substr(namefirst,length(namefirst)-2,length(namefirst)) from student; |
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| 1. Get all student *(phonenumber)* whose *phonenumber* starts with 70. |
| select number from student\_phone where substr(number,1,2)= '70'; |
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| 1. Get student details of first 5 student. |
| select \* from student limit 5; |
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| 1. Get student details of last 5 student. |
| select \* from (select \* from student order by id desc limit 5)e order by id ; |
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| 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; |
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| 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; |
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| 1. Combine to display student *namefirst* and *namelast*. |
| select concat(namefirst,' ', namelast) from student; |
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| 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)** |
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| 1. Get student *namefirst* and *namelast* in upper case. |
| select upper(concat(namefirst,' ', namelast)) from student; |
|  |
| 1. Get student firstname and *lastname* in lower case. |
| select lower (concat (namefirst,' ',namelast))from student; |
|  |
| 1. Get student *firstname* and *lastname* in reverse order. |
| select reverse (concat (namefirst,' ',namelast))from student; |
|  |
| 1. Get first 4 letters of student *namefirst*. |
| select left(namefirst,4) from student; |
|  |
| 1. Get second letter of student *namefirst* to second last letter of student *namefirst*. |
| select substr(namefirst, 2,(length(namefirst)-2)) from student; |
|  |
| 1. Get ASCII character of student *namefirst*. |
| select ascii(namefirst) from student; |
|  |
| 1. Get first 5 letter of the students’ *namefirst*. |
| select substr(namefirst, 1,5) from student; |
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| 1. Print *phone number* of all student in the given format 7032300034\*\*\*\*\*. |
| select concat(substr(number ,1,5),'\*\*\*\*\*') from student\_phone; |
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| 1. Get all student whose DOB is in the month of ‘October’. |
| select \* from student where extract(month from DOB)=10; |
|  |
| 1. Get all student whose DOB is in the month of ‘January’ or ‘December’. |
| select \* from student where extract(month from DOB) in (1,12); |
|  |
| 1. Get all faculty who were born on ‘Sunday’ |
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| 1. Print current date and time. |
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| 1. Extract month from the current date. |
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| 1. Extract year from the current date. |
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| 1. Get all student whose DOB is in the year 1984 in ascending order of *namefirst.* |
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| 1. Get all student whose DOB is in the 4 quarter of a year. |
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| 1. Get all student whose DOB is in the 43rd week of a year. |
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| 1. Get all student whose DOB is in between 10 and 19 day. |
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| 1. Generate the random number between 1 to 100 |
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| 1. Display the 5 character of namefirst column from student table. |
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| 1. Display all student in ascending order of their DOB, the ordering must be done on weekday name starting form ‘Monday’, ‘Tuesday’…… |
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| 1. Display all student who’s DOB comes in the 4th quarter of the year. |
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| 1. Display all student who were born on ‘Sunday’. |
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| 1. Display the DOB in the give format **‘12th of June 1984’** |
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| 1. Display all course\_batches who ends on ‘Sunday’. |
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| 1. Display student\_phone number in the following format “7032\*\*\*\*\*\*” for all students. |
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| 1. Display student\_phone number in the following format “7032\*\*\*\*8765” for all students. |
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