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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| * Get student *namefirst* with how many characters are there in their *namefirst*. |
| select namefirst, length(namefirst) 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 ,1)) as ascii\_value from student; |
|  |
| * Get *namefirst* and *namelast* in lowercase. |
| select lower(namefirst) as namefirst\_lower, lower(namelast) as namelast\_lower from student; |
|  |
| * Get (namefirst, namelast, and emailID) all 7 letter emailID. |
| select namefirst,namelast,emailid from student where length(emailid) = 7; |
|  |
| * Get *(namefirst, namelast and first 3 letters of namefirst)* for all students. |
| select namefirst, namelast from student where length(namefirst)=3; |
|  |
| * Get*(namefirst, namelast and last 3 letters of namefirst)* for all student. |
| select namefirst, namelast from student where length(namefirst)=3; |
|  |
| * Get all student *(phonenumber)* whose *phonenumber* starts with 70. |
| select number from student\_phone where number like '70%'; |
|  |
| * Get student details of first 5 student. |
| select \* from student limit 5; |
|  |
| * Get student details of last 5 student. |
| select \* from student order by id desc limit 5; |
|  |
| * Get student details in ascending order of *namefirst*. |
| select \* from student order by namefirst; |
|  |
| * Get student details in descending order of *namelast*. |
| select \* from student order by namelast desc; |
|  |
| * 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 length(emailid)=20; |
|  |
| * Combine to display student *namefirst* and *namelast*. |
| select concat(namefirst,' ',namelast) as fullname from student; |
|  |
| * 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)** |
| insert into student values(29,null,null,"1982-12-31",null);  select ifnull(namefirst," "), ifnull(namelast," "), ifnull(emailid," ") from student;  select id, concat( ifnull(namefirst," "), ifnull(namelast," "), ifnull(emailid," ")) from student;  select id, concat( ifnull(namefirst," ")," ",ifnull(namelast," ")," and emailid is ", ifnull(emailid," ")) from student;  select id, concat( ifnull(namefirst," Dnyanesh")," ",ifnull(namelast,"kalbhut ")," and emailid is ", ifnull(emailid," kalbhutdnyanesh@gmail.com")) from student; |
|  |
| * Get student *namefirst* and *namelast* in upper case. |
| select upper(namefirst) as namefirst\_upper, upper(namelast) as namelast\_upper from student; |
|  |
| * Get student firstname and *lastname* in lower case. |
| select lower(namefirst) as namefirst\_lower, lower(namelast) as namelast\_lower from student; |
|  |
| * Get student *firstname* and *lastname* in reverse order. |
| select reverse(namefirst) as namefirst\_reversed, reverse(namelast) as namelast\_reversed from student; |
|  |
| * Get first 4 letters of student *namefirst*. |
| select substr(namefirst, 1, 4) as namefirst from student; |
|  |
| * Get second letter of student *namefirst* to second last letter of student *namefirst*. |
| select substr(namefirst,2,length(namefirst)-2) from student; |
|  |
| * Get ASCII character of student *namefirst*. |
| select namefirst, ascii(namefirst) as first\_char\_ascii from student; |
|  |
| * Get first 5 letter of the students’ *namefirst*. |
| select substr(namefirst, 1, 5) as namefirst from student; |
|  |
| * Print *phone number* of all student in the given format 7032300034\*\*\*\*\*. |
| select concat(number,"\*\*\*\*") from student\_phone; |
|  |
| * Get all student whose DOB is in the month of ‘October’. |
| select \* from student where month(dob)=10; |
|  |
| * Get all student whose DOB is in the month of ‘January’ or ‘December’. |
| select \* from student where month(dob)=1 or month(dob)=12; |
|  |
| * Get all faculty who were born on ‘Sunday’ |
| select \* from faculty where dayname(dob)='sunday'; |
|  |
| * Print current date and time. |
| select curdate(),curtime(); |
|  |
| * Extract month from the current date. |
| select now() ;  select month(now()) ; |
|  |
| * Extract year from the current date. |
| select now() ;  select year(now()) ; |
|  |
| * Get all student 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 student whose DOB is in the 4 quarter of a year. |
| select \* from student where month(dob) in (9,10,11,12); |
|  |
| * Get all student whose DOB is in the 43rd week of a year. |
| select \* from student where weekofyear(dob)=43; |
|  |
| * Get all student whose DOB is in between 10 and 19 day. |
|  |
|  |
| * Generate the random number between 1 to 100 |
|  |
|  |
| * Display the 5 character of namefirst column from student table. |
|  |
|  |
| * Display all student in ascending order of their DOB, the ordering must be done on weekday name starting form ‘Monday’, ‘Tuesday’…… |
|  |
|  |
| * Display all student who’s DOB comes in the 4th quarter of the year. |
|  |
|  |
| * Display all student who were born on ‘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. |
|  |
|  |
| * Display student\_phone number in the following format “7032\*\*\*\*8765” for all students. |
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