

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.

1. Get student <i>namefirst</i> with how many characters are there in their <i>namefirst</i> .
<code>select namefirst,length(namefirst)r1 from student;</code>
2. Get student details whose <i>namefirst</i> is having 4 characters only.
<code>select id, namefirst ,namelast, dob,emailid,(length(namefirst))r1 from student where length(namefirst)=4;</code>
3. Get the ASCII value of the 3 rd character of <i>namefirst</i> column.
<code>select namefirst,ascii(substr(namefirst,3))r1 from student;</code>
4. Get <i>namefirst</i> and <i>namelast</i> in lowercase.
<code>select namefirst,namelast, lower(namefirst)r1,lower(namelast)r2 from student;</code>
5. Get (<i>namefirst</i> , <i>namelast</i> , and <i>emailID</i>) all 7 letter emailID.
<code>select namefirst,namelast,emailid,(left(emailid,7))r1 from student;</code>
6. Get (<i>namefirst</i> , <i>namelast</i> and <i>first 3 letters of namefirst</i>) for all students.
<code>select namefirst,namelast,emailid,(left(namefirst,3))r1 from student;</code>
7. Get (<i>namefirst</i> , <i>namelast</i> and <i>last 3 letters of namefirst</i>) for all student.
<code>select namefirst,namelast,emailid,(right(namefirst,3))r1 from student;</code>
8. Get all student (<i>phonenum</i>) whose <i>phonenum</i> starts with 70.
<code>select id, studentid, number, isactive,(left(number,2))r1 from student_phone where (left(number,2)=70);</code>
9. Get student details of first 5 student.
<code>select ID,namefirst,namelast,DOB,emailid from student limit 5;</code>
10. Get student details of last 5 student.
<code>select ID,namefirst,namelast,DOB,emailid from student limit 23,5;</code>

11. Get student details in ascending order of <i>namefirst</i> .
select ID,namefirst,namelast,DOB,emailid from student order by namefirst;
12. Get student details in descending order of <i>namelast</i> .
select ID,namefirst,namelast,DOB,emailid from student order by namelast desc ;
13. Get (<i>student id, namefirst, namelast, dob, and emailID</i>) 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;
14. Combine to display student <i>namefirst</i> and <i>namelast</i> .
select namefirst,namelast , concat (namefirst , ' ',namelast)r1 from student;
15. Write a query to display the following output for all student. If (<i>namefirst, namelast or emailID</i>) 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;
16. Get student <i>namefirst</i> and <i>namelast</i> in upper case.
select namefirst,namelast ,lower (namefirst)r1,upper(namelast) r2 from student;
17. Get student <i>firstname</i> and <i>lastname</i> in lower case.
select namefirst,namelast ,lower (namefirst)r1,lower(namelast) r2 from student;
18. Get student <i>firstname</i> and <i>lastname</i> in reverse order.
select namefirst,namelast ,reverse (namefirst)r1,reverse(namelast) r2 from student;
19. Get first 4 letters of student <i>namefirst</i> .
select namefirst , left(namefirst,4)r1 from student;
20. Get second letter of student <i>namefirst</i> to second last letter of student <i>namefirst</i> .
select namefirst , left(namefirst,2)r1,right(namefirst,2)r2 from student;
21. Get ASCII character of student <i>namefirst</i> .
select namefirst , ascii(namefirst)r1 from student;
22. Get first 5 letter of the students' <i>namefirst</i> .
select namefirst ,left(namefirst,5)r1 from student;
23. Print <i>phone number</i> of all student in the given format 7032300034****.

select number, concat(number, '****')R1 from student_phone;
24. 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;
25. 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);
26. Get all faculty who were born on 'Sunday'
select ID, namefirst, namelast ,DOB, emailid, date_format(DOB,'%a')R1 from faculty where id=5;
27. Print current date and time.
select curdate(),curtime();
28. Extract month from the current date.
select extract(month from current_timestamp);
29. Extract year from the current date.
select extract(year from current_timestamp);
30. Get all student whose DOB is in the year 1984 in ascending order of <i>namefirst</i> .
select id, namefirst, namelast, DOB, date_format(DOB,'%Y')R1 from student where date_format(DOB,'%Y')=1984 order by namefirst asc;
31. 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);
32. Get all student whose DOB is in the 43 rd week of a year.
select id,ID,namefirst,namelast,DOB,emailID,extract(week from DOB)R1 from student where extract(week from DOB)=43;
33. 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;
34. Generate the random number between 1 to 100
Select floor(rand()*100);
35. Display the 5 character of namefirst column from student table.
Select left(namefirst,5) from student;
36. 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);
37. Display all student who's DOB comes in the 4 th quarter of the year.
Select * from student where extract(quarter from dob)=4;
38. Display all student who were born on 'Sunday'.
Select * from student where dayname(dob)='sunday';
39. Display the DOB in the give format ' 12th of June 1984 '
Select date_format(dob, %D of %M %Y) from student;
40. Display all course_batches who ends on 'Sunday'.
Select name from course_batches where dayname(endson)='Sunday';
41. Display student_phone number in the following format "7032*****" for all students.
select concat(left(number,4),'*****') from student_phone;
42. Display student_phone number in the following format "7032****8765" for all students.
select concat(left(number,4),'****',right(number,4)) from student_phone;