Assignment

Sept23/ DBT/127

Database Technologies

Diploma in Advance Computing

September 2023

**Function**

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| 1. Pass DEPTNO to the function (named sumSalary) and calculate the sum of salary.(Use: EMP table) |
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| 1. Create a new table called STUDENT\_NEW having following columns (studentID, namefirst, namelast, DOB, and emailID). Write a function names autoNumber to return auto generate studentID and return the new value (Use: STUDENT\_NEW table). |
| drop function if exists f1;  delimiter $  create function f1() returns int  deterministic  BEGIN  declare z int;  select max(studentID) + 1 into z from student\_new;  return z;  end $  delimiter ; |
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| 1. Write a function which will accept email-ID from the user, if the email-ID is present return his username and password or else `Return “Employee not exists”. (Use: LOGIN table) |
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| 1. Write a function which will accept studentID from the user and calculate the sum of (10th, 12th, and BE) marks. |
| drop function if exists f1;  delimiter $  create FUNCTION f1(x int) returns int  deterministic  BEGIN  set @z='';  select sum(marks) into @z from student\_qualifications sq where studentid in  (select studentID from student\_qualifications where name=10 and name=12 or name='be')  and name!='DIP' and studentID=x group by studentid;  return @z;  end $  delimiter ; |
| 1. Write a function that returns random OTP number of 6 digits. |