Assignment

Sept23/ DBT/127

Database Technologies

Diploma in Advance Computing

September 2023

**Function**

| 1. Pass DEPTNO to the function (named sumSalary) and calculate the sum of salary.(Use: EMP table) |
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| DROP FUNCTION IF EXISTS sumSalary;  delimiter ^  create function sumSalary(\_deptno int)returns int  Deterministic  BEGIN  select sum(sal) into @z from emp where deptno=\_deptno;  return @z;  end ^  delimiter ; |
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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 autoNumber;  delimiter ^  create function autoNumber(\_studentid int) returns int  Deterministic  BEGIN  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) |
| drop function if exists f1;  delimiter ^  CREATE function F1(email varchar(100)) returns text  Deterministic  BEGIN  select emailid into @z from login where emailid=email;  if (email=@z) then  select username,password into @a,@b from login where emailid=email;  set @x = concat("username :" ,@a ,"||", "password :" ,@b);  return @x;  end if;  return 'emp does not exists' ;    end ^  delimiter ; |
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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(\_studentid int) returns text  Deterministic  BEGIN  select sum(marks),s.namefirst into @z,@x from student s join student\_qualifications sq on s.id=sq.studentid where studentid=\_studentid and name in(10,12,'BE') group by sq.studentid;  set @y = concat('Name: ',@x,'|','Marks :',@z);  return @y;  End ^  delimiter ; |
| 1. Write a function that returns random OTP number of 6 digits. |
| drop function if exists f1;  delimiter ^  create function f1() returns int  Deterministic  begin  select (rand()\*1000000) into @z;  return @z ;  end ^  delimiter ; |