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) |
| drop function if exists sumSalary;  delimiter $  create function sumSalary(deptno int) returns INTEGER  deterministic  BEGIN  select sum(sal) into @z from emp group by 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() returns INTEGER  deterministic  BEGIN  select max(id)+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 checkuser;  delimiter $  create function checkuser(\_emailid varchar(30))returns text  deterministic  BEGIN  select emailid into @z from login where emailid=\_emailid;  if(\_emailid =@z)then  select username,password into @x,@y from login where emailid=\_emailid;  set @p=concat(@x,"|",@y);  return @p;  end if;  return 'Employee 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 sumMarks;  delimiter $  create function sumMarks(\_studentid int)returns int  deterministic  BEGIN   select sum(marks) into @z from student\_qualifications  group by studentid having studentid=\_studentid ;   return @z;  end $  delimiter ; |
| 1. Write a function that returns random OTP number of 6 digits.   drop function if exists otp;  delimiter $  create function otp()returns int  deterministic  begin  set @z=floor(rand()\*1000000);  return @z;  end $  delimiter ; |