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 (x int ) returns int  deterministic  BEGIN  declare z int;  select sum(sal) into z from emp where deptno = x;  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 f5;  delimiter $  create function f5() returns int  deterministic  begin  select (max(id) + 1) into @z from stu1;  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 accept\_email;  delimiter $  create FUNCTION accept\_email(y varchar(20)) returns varchar(30)  deterministic  BEGIN  set @ch := FALSE;  SELECT TRUE into @ch from login where email\_id= y;  IF @ch THEN  SELECT CONCAT(username," , password=",password) INTO @x from login where email\_id= y;    ELSE  SELECT "Employee not exists" into @x;  end if;  return @x ;  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 sum\_marks ;  delimiter $  create function sum\_marks(x int ) returns int  deterministic  begin  select sum(marks) into @z from student\_qualifications where studentid = x;  return @z;  end $  delimiter ; |
| 1. Write a function that returns random OTP number of 6 digits.   drop function if EXISTS f5;  delimiter $  create function f5() returns int  deterministic  BEGIN  DECLARE i INT;  DECLARE j INT;  SET i = 100000;  SET j = 900000;  SELECT FLOOR(i + RAND()\*(j-i)) into @z;  return @z;  end $  delimiter ; |