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 INT  deterministic  BEGIN  declare x int;  select sum(sal) into x from emp where deptno=\_deptno;  return x;  end $  delimiter ;   * select sumSalary(10);   +---------------+  | sumSalary(10) |  +---------------+  | 13850 |  +---------------+ |
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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 INT  deterministic  BEGIN  declare z int;  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 accept\_emailid;  delimiter $  create function accept\_emailid(\_emailid varchar(20)) returns varchar(20)  deterministic  begin  declare x bool;  if x=TRUE then  select true into x from login where emailid=\_emailid;  select concat(username," " , password," " )into x from login where emailid=\_emailid;  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 sid;  delimiter $  create function sid(\_sid int)returns INT  deterministic  BEGIN  select sum(marks) into @msum from student s join student\_qualifications sq on s.id=sq.studentid where s.id=\_sid and sq.name in ("10", "12", "be");  return @msum;  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  declare a int;  set a:= floor(rand()\*10000);  return a;  end $  delimiter ; |