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 f1;  delimiter $  create function f1(\_deptno int) returns int  deterministic  begin  declare z int;  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() returns INT  deterministic  begin  declare z int;  select max(studentid)+1 from student\_new into z;  insert into student\_new(studentid) values (z);  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 sep;  delimiter $  create function sep(emai varchar(100)) returns varchar(100)  deterministic  begin    declare user1 varchar(300);  declare pass varchar(300);  if emai in (select email from login) then  select username into user1 from login where email=emai;  select password into pass from login where email=emai;  return concat(user1," ",pass);  end if;  if emai not in (select email from login) then  return "emial id does not exists";  end if;  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 sumq;  delimiter $  create function sumq(stu int) returns INT  deterministic  begin  declare res int;  select sum(marks) into res from student\_qualifications where studentid in (select studentid from student\_qualifications where name="be" or name ='12' and name='10')and studentid=stu ;  return res;  end $  delimiter ; |
| 1. Write a function that returns random OTP number of 6 digits.   drop function if exists ran;  delimiter $  create function ran() returns int  deterministic  begin  declare res int;  select floor(rand()\*1000000) into res;  return res;  end $  delimiter ; |