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 salary;  delimiter $  create function salary(dno int) returns int  deterministic  BEGIN  declare z int;  select sum(sal) into z from emp where deptno=dno;  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  declare z int;  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 eid;  delimiter $  create function eid(emailid1 varchar(1130))  returns VARCHAR(1150)  deterministic  BEGIN  declare flag bool;    select true into flag from login where emailID=emailid1;    if flag=1 THEN  return (select concat(username,",",password) from login where emailID=emailid1);  else  return ("Employee Not Exist");  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 accept;  delimiter $  create function accept(x int) returns INTEGER  deterministic  BEGIN  declare z int;  select sum(marks) into z from student\_qualifications  where name in(10,12,'BE') and studentID in(x);  return z;  end $  delimiter ; |
| 1. Write a function that returns random OTP number of 6 digits.   ------------------------------------------------------------------------------------------------------------------------------------------- |