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  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(\_namefirst varchar(30),\_namelast varchar(30),\_DOB date,\_emailID varchar(30)) returns int  BEGIN  DECLARE z int;  insert into STUDENT\_NEW(namefirst,namelast,DOB,emailID) values(\_namefirst,\_namelast,\_DOB,\_emailID);  select max(studentid) 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 f3;  delimiter $  create function f3(\_email varchar(30)) returns VARCHAR(40)  BEGIN  DECLARE z varchar(40);  declare flag bool;  select true into flag from login where emailid=\_email;  if flag THEN  select concat("user\_name= ",name," and password= ",password) into z from login where emailid=\_email;  else  select "Employee not exists" into z;  end if;  return z;  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 f4;  delimiter $  create function f4(id int) returns int  BEGIN  DECLARE z int;  select sum(marks) into z from student\_qualifications where studentid=id and name in ('BE',10,12);  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  BEGIN  DECLARE z int;  select left(floor(rand()\*1000000)+999999,6)into z;  return z;  end $  delimiter ; |
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