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  return(select sum(sal) from emp where \_deptno=deptno);  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 i int;  select max(studentid)+1 into i from student\_new;  return i;  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 accept1;  delimiter $  create function accept1(\_emailid varchar(50)) returns varchar(50)  deterministic  BEGIN  declare i bool;  select true into i from login where \_emailid=emailid;  if i THEN  return (select username,password from login);  ELSE  return (select "Employee doesnot 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 accept1;  delimiter $  create function accept1(\_studentid int) returns varchar(50)  deterministic  BEGIN  declare x,y,z,sum1 int;  select marks into x from student\_qualifications where \_studentid=studentid and name='10';  select marks into y from student\_qualifications where \_studentid=studentid and name='12';  select marks into z from student\_qualifications where \_studentid=studentid and name='BE';  set sum1:= x+y+z;  return sum1;  end$  delimiter ; |
| 1. Write a function that returns random OTP number of 6 digits.   drop function if exists accept1;  delimiter $  create function accept1(\_studentid int) returns varchar(50)  deterministic  BEGIN  declare x,y,z,sum1 int;  select marks into x from student\_qualifications where \_studentid=studentid and name='10';  select marks into y from student\_qualifications where \_studentid=studentid and name='12';  select marks into z from student\_qualifications where \_studentid=studentid and name='BE';  set sum1:= x+y+z;  return sum1;  end$  delimiter ; |