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 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 ;  set z:=0;  create table student\_new(studentid int primary key,namefirst varchar(10),namelast varchar(10),dob date,emailid varchar(20));  select max(z)+1 into z;  insert into student\_new(studentid)values(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 email1;  delimiter $  create function email1(\_emailid varchar(30)) returns varchar(30)  deterministic  BEGIN  declare user\_pass varchar(30);  set user\_pass='Employee not exist';  select concat(username,' ',password) into user\_pass from login where email=\_emailid;  return user\_pass;  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 sumqual;  delimiter $  create function sumqual(\_studentid int) returns int  deterministic  begin  declare Marks\_Sum int;  select sum(marks) into Marks\_Sum from student\_qualifications where studentid =\_studentid;  return Marks\_Sum ;  end $  delimiter ; |
| 1. Write a function that returns random OTP number of 6 digits. |

drop function if exists Randm;

delimiter $

create function Randm() returns int

deterministic

begin

declare z int;

select rand()\*1000000 into z;

return z;

end $

delimiter ;