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(s int) returns int  deterministic  BEGIN  set @d=0;  select sum(sal) into @d from emp where deptno=s group by deptno;  return @d;  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 f2;  delimiter $  create function f2() returns int  deterministic  BEGIN  set @i=0;  select max(studentid)+1 into @i from student\_new;  insert into student\_new(namefirst,namelast,dob,emailid) values('kunal','hole','2002-01-01','kunalhle@gmail.com');  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 check1;  delimiter $  create function check1(\_emailID varchar(50)) returns varchar(100)  deterministic  begin  declare flag bool;  select true into flag from login where emailID=\_emailID;  if flag then  return (select concat("Username:",(select username from login where emailID=\_emailID)," Password:",(select password from login where emailID=\_emailID)));  else  return( select "Employee 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 f2;  delimiter $  create function f2(sid int) returns int  BEGIN  set @s=0;  select sum(marks) into @s from student\_qualifications where studentid=sid group by studentid;  return @s;  END $  delimiter ; |
| 1. Write a function that returns random OTP number of 6 digits.   drop function if exists f2;  delimiter $  create function f2() returns int  BEGIN  set @s=0;  select floor(rand()\*999999.999) into @s;  return @s;  END $  delimiter ; |