Assignment

March20/ DBT/127

Database Technologies

Diploma in Advance Computing

March 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 FLOAT  deterministic  BEGIN  declare sum int default 0;  select sum(sal) into sum from emp where deptno=\_deptno;  return sum;  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 max int default 0;  select max(studentid)+1 into max from student\_new;  return ifnull(max,1);  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 getLoginInfo;  delimiter $  create function getLoginInfo(\_email varchar(128)) returns varchar(200)  deterministic  BEGIN  declare info varchar(200);  select concat("Username : ",username," Password : ",password) into info from login where email=\_email;  return ifnull(info,"Employee not exists");  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 sumMarks;  delimiter $  create function sumMarks(\_id int) returns float  deterministic  BEGIN  declare sum float;  select sum(marks) into sum from student\_qualifications where studentId=\_id;  return ifnull(sum,0);  end $  delimiter ; |
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