Assignment

**PRN NO - 230945920032\_230945920091**

Sept23/ DBT/127

Database Technologies

Diploma in Advance Computing

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**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;**  **set z := (select sum(sal) 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 X int;**  **set X :=(select max(studentID)+1 from STUDENT\_NEW );**  **return X;**  **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 cheak;**  **delimiter $**  **create function cheak(\_email varchar(100)) returns varchar(400)**  **deterministic**  **BEGIN**  **declare flag bool;**  **select true into flag from login where EmailID=\_email;**  **IF flag then**  **RETURN(select concat("Username:",(select name from login where emailID=\_email)," Password:",(select password from login where emailID=\_email)));**  **else**  **return ("Record not found");**  **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 summ ;**  **delimiter $**  **create function summ(\_studentID int) returns int**  **deterministic**  **BEGIN**    **declare z int;**  **set z := (select sum(marks) from student\_qualifications where studentid=\_studentID);**    **return z;**  **end $**  **delimiter ;** |
| 1. Write a function that returns random OTP number of 6 digits.   **drop function if exists OTP;**  **delimiter $**  **create function OTP() returns int**  **deterministic**  **BEGIN**    **declare z int;**  **set z := (select floor(rand()\*1000000));**  **return z;**    **END $**  **delimiter ;** |