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(\_depno int) RETURNS INT  DETERMINISTIC  begin  declare total INT ;  set total=0;  SELECT SUM(sal) INTO total FROM emp WHERE deptno=\_depno;  return (total);  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 newStudentID INT;  SELECT MAX(studentid) INTO newStudentID FROM STUDENT\_new;  SET newStudentID = newStudentID + 1;  INSERT INTO STUDENT\_NEW (studentid) VALUES (newStudentID);  RETURN newStudentID;  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 verify;  delimiter $  CREATE FUNCTION verify( \_empno int ) RETURNS varchar(90)  DETERMINISTIC  begin  declare total bool ;  SELECT True INTO total FROM emp WHERE empno = \_empno;  if total THEN  return(select concat(`user name`,":",pwd) from emp where EMPNO=\_empno) ;  ELSE  return"emp no not present";  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 sum1;  delimiter $  CREATE FUNCTION sum1( \_studentid int ) RETURNS INT  DETERMINISTIC  begin  declare total INT ;    select sum(marks) into total from student\_qualifications where name in ('10','12','be') and studentid=\_studentid ;  return (total);  end $  delimiter ; |
| 1. Write a function that returns random OTP number of 6 digits.   DROP FUNCTION IF EXISTS otp6digit;  delimiter $  CREATE FUNCTION otpsixdigit( ) RETURNS INT  DETERMINISTIC  begin  declare total INT ;    set total:=floor(100000+rand()\*100000);  return (total);  end $  delimiter ; |