Assignment

Function

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(_deptno int) returns int
deterministic
begin
declare z int;
select sum(sal) into z from emp where deptno=_deptno;
return z;
end $
delimiter ;
```

2. 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;

select max(studentid)+1 from student_new into z;
insert into student_new(studentid) values (z);

return z;
end $
delimiter ;
```

3. 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 sep;
delimiter $
create function sep(emai varchar(100)) returns varchar(100)
deterministic
begin

 declare user1 varchar(300);
 declare pass varchar(300);
 if  emai in (select email from login) then

select username into user1 from login where email=emai;
```

```
    select password into pass from login where email=emai;

    return  concat(user1," ",pass);
    end if;
      if  emai not in (select email from login) then
      return "emial id does not exists";
      end if;
    end $
    delimiter ;
```

4. Write a function which will accept studentID from the user and calculate the sum of (10th, 12th, and BE) marks.

```
drop function if exists sumq;
delimiter $
create function sumq(stu int) returns INT
deterministic
begin
declare res int;



select sum(marks) into res from student_qualifications where studentid in (select
studentid from student_qualifications where  name="be" or name ='12' and
name='10')and studentid=stu ;
return res;
 end $
 delimiter ;
```

5. Write a function that returns random OTP number of 6 digits.
```
 drop function if exists ran;
 delimiter $
 create function ran() returns int
 deterministic
 begin
 declare res int;
 select floor(rand()*1000000) into res;
 return res;
 end $
 delimiter ;
```