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(d int) returns int  deterministic  begin  declare total int default 0;  select sum(sal) into total from emp where deptno=d;  return total;    end $  delimiter ; |
| select sumSalary(10); |
| 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 INTEGER  deterministic  BEGIN  declare id int ;  select max(studentid)into id from new\_student ;  return (id+1) ;  end $  delimiter ; |
|  |
| 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 fun;  delimiter $  create function fun(e varchar(128)) returns varchar(128)  deterministic  begin  declare flag bool;  select true into flag from login where email=e;  if flag then    return (SELECT CONCAT("username ",username, " and password is ", password) FROM login WHERE email = e);  ELSE  return "employee not exists";  end if;  end $  delimiter ; |
| select fun('khedkarsona9@gmail.com'); |
| 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 marks;  delimiter $  create function marks(id int) returns INTEGER  deterministic  begin  declare total\_marks int;  select sum(marks) into total\_marks from student\_qualifications where studentid=id and name in(10, 12,'BE');  return total\_marks;  end $  delimiter ; |
| 1. Write a function that returns random OTP number of 6 digits. |

drop function if exists otpNumber;

delimiter $

create function otpNumber() returns int

deterministic

BEGIN

declare otp int;

select (rand()\*1000000 ) into otp;

return otp;

end $

delimiter ;