Assignment

Sept23/ DBT/126

Database Technologies

Diploma in Advance Computing

September 2023

**Procedure**

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| * Create a LOGIN table (username, password, and email). Write a procedure (named ***addUser***) to pass the username, password, and email-ID through the procedure and store the data in the LOGIN table. |
| drop procedure if exists addUser;  delimiter $  create procedure addUser(username varchar(20),password varchar(20), emailID varchar(128))  BEGIN  insert into login values(username, password, emailID);  end $  delimiter ; |
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| * Create a LOG table having following columns (id (auto\_increment), curr\_date, curr\_time, and message). Write a procedure (named ***checkUser***) to pass the email-ID as an input, check whether passed email-ID is available in LOGIN table or not available. If the email-ID is available then display the username and his password. If the email-ID is not available then, insert (curr\_date, curr\_time, and message) in LOG table. |
| drop procedure if exists checkUser;  delimiter $  create procedure checkUser(\_emailID varchar(128))  BEGIN  DECLARE flag bool;  select true into flag from login where emailID=\_emailID;  if flag then  select username, password from login;  ELSE  insert into log(curr\_date, curr\_time, message) values( CURRENT\_date(), CURRENT\_TIME(), "EmailID is not present");  end if;  end $  delimiter ; |
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| * Write a procedure(named getQualification) that takes studentID as a parameter. If studentID is present in the student table, then print his student details along with STUDENT\_QUALIFICATION details and if the studentID is not present display message “Student not found…” (Use: STUDENT, and STUDENT\_QUALIFICATION tables) |
| drop procedure if exists getQualification;  delimiter $  create procedure getQualification(studentID int)  BEGIN  declare flag bool;  select true into flag from student where ID=studentID;  if flag then  select \* from student s join student\_qualifications sq where  s.id=sq.studentID and s.ID=studentID;  ELSE  select "Student NOt Found";  end if;  end $  delimiter ; |
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| * Write a procedure (named addStudent) that inserts a new student with his phone number and his address into the STUDENT, PHONE, and ADDRESS table. |
| drop procedure if exists addStudent;  delimiter $  create procedure addStudent(\_namefirst varchar(20), \_namelast varchar(20), \_dob date, \_emailID varchar(128), \_phone varchar(20), \_addr varchar(120))  BEGIN  declare x,y,z int;  select max(id)+1 into x from student;  insert into student values(x,\_namefirst, \_namelast, \_dob, \_emailId);  select max(id)+1 into y from student\_phone;  insert into student\_phone values(y, x, \_phone, 1);  select max(id)+1 into z from student\_address;  insert into student\_address values(z, x, \_addr);  end $  delimiter ; |
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| * Write a procedure (named addQualification) that takes studentID, and qualification details as a parameter. If studentID is present in the STUDENT table, then insert the qualification in STUDENT\_QUALIFICATION table and return a message “Record inserted” or else print ‘Student not found’. (hint: using OUT parameter) (Use: STUDENT, and STUDENT\_QUALIFICATION tables) |
| drop procedure if exists addQualification;  delimiter $  create procedure addQualification(\_id int, \_name varchar(20), \_college varchar(128),\_university varchar(128),\_marks varchar(20),\_year int)  BEGIN  declare flag bool;  declare x int;  select true into flag from student where \_id=ID;  if flag then  select max(ID)+1 into x from student\_qualifications;  insert into student\_qualifications values (x, \_id, \_name, \_college,\_university,\_marks,\_year);  select "Record Inserted";    ELSE  select "Student not found";  end if;  end $  delimiter ; |
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