Assignment

March23/ DBT/126

Database Technologies

Diploma in Advance Computing

March 2023

**Procedure**

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| 1. 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 assign1;  delimiter $  create procedure assign1(name varchar(20), pwd varchar(20), email varchar(20))  begin  insert into login VALUES(default, name, pwd,email);  end $  delimiter ; |
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| 1. 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(email varchar(20))  begin  declare flag bool default 0;  declare msg varchar(40) default 0;  select true into flag from login where emailid=email;  set msg="Email not found" ;  if (flag) then  select username, password from login where emailid=email;  else  insert into log values (default ,curdate(), curtime(),msg);    end if;  end $  delimiter ; |
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| 1. 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( id int)  BEGIN  declare flag bool default 0;  select true into flag from student s where s.id=id;  if flag then  select s.\*, q.\* from student s join student\_qualifications q on s.id=q.studentid where s.id=id;  else  select "Student not found";  end if;  end $  delimiter ; |
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| 1. 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 (name varchar(20), phone int, address varchar(128))  begin  declare x int default 0;  declare y int default 0;  select max(id)+1 into x from student;  insert into student (id,namefirst) values (x,name);  select max(id)+1 into y from student\_phone;  insert into student\_phone (id,studentID,number) values (y,x,phone);  select max(id)+1 into y from student\_address;  insert into student\_address (id,studentID, address) values (y,x,address);  end $  delimiter ; |
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| 1. 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 (id1 int, degree varchar(20),out msg varchar(20))  begin  declare flag bool default false;  declare x int default 0;  select true into flag from student where student.id= id1;  if flag then  select max(id)+1 into x from student\_qualifications ;  insert into student\_qualifications (id,studentid,name) values (x,id1,degree);  select "Record inserted" into msg;  else  select "Student not found" into msg;  end if;  end $  delimiter ; |
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