­­Assignment

Sept23/ DBT/126

Database Technologies

Diploma in Advance Computing

September 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 login;  delimiter $  CREATE PROCEDURE login(name varchar(30) ,password varchar(30),emailid varchar(30))  BEGIN  CREATE table t1(name varchar(30) ,password varchar(30),emailid varchar(30));  insert into t1 VALUES(name,password,emailid);  end $  delimiter ;  drop PROCEDURE if EXISTS pro2;  delimiter $  CREATE PROCEDURE pro2(id int ,CURR\_DATE DATE ,CURRE\_time TIME,message varchar(30))  BEGIN  CREATE table t3(id int PRIMARY key auto\_increment,CURR\_DATE DATE ,CURRE\_time TIME,message varchar(30));  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(e varchar(20))  BEGIN  DECLARE flag BOOLEAN;  SELECT TRUE into flag WHERE e IN (select email from login);  IF flag THEN  SELECT username, password from login WHERE email = e;  ELSE  INSERT INTO log (curr\_date, curr\_time, msg) VALUES (CURRENT\_DATE(), CURRENT\_TIME(), DEFAULT);  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(s int)  BEGIN  DECLARE flag BOOLEAN;  SELECT TRUE into flag WHERE s IN (select id from student);  IF flag THEN  SELECT namefirst,namelast,DOB,emailid,name,university from student,student\_qualifications WHERE s=student.id=student\_qualifications.studentid;  ELSE  select "student not found" as message;  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(i int,f varchar(45), l varchar(45), p varchar(45), e varchar(128), a varchar(128))  BEGIN  DECLARE flag BOOLEAN;  SELECT TRUE into flag WHERE i IN (select id from student);  IF flag THEN  SELECT "student already EXISTS";  ELSE  insert into student (id,namefirst,namelast,emailid) values(i,f,l,e);  insert into student\_phone(studentid, number) values(i,p);  insert into student\_address(studentID, address) values (i, a);  END IF;  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(sid int , studentid int, name varchar(20), college varchar(50), university varchar (20), marks varchar (20), years int)  BEGIN  declare flag bool ;  SELECT true into x from student where id = studentid;  if(x=true)  then  insert into student\_qualifications VALUES(sid,studentid,name, college, university, marks, years);  ELSE  SELECT 'student not found';  end if;  end $  delimiter ; |
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