Assignment

Feb25/ DBT/126

Database Technologies

Diploma in Advance Computing

February 2025

**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 pro1;  delimiter $  CREATE PROCEDURE pro1(in name VARCHAR(20),in pass VARCHAR(20), mail VARCHAR(50))  BEGIN  INSERT INTO login VALUES (name,pass,mail);  SELECT \*FROM login;  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(in mail VARCHAR(50))  BEGIN    DECLARE v1 BOOLEAN DEFAULT FALSE;    SELECT TRUE INTO v1 FROM login WHERE email=mail;    IF v1=1 THEN    SELECT username,password from login;    ELSE    INSERT INTO log (curr\_date,curr\_time,message)VALUES (CURRENT\_DATE(),CURRENT\_TIME(),'Email-ID Not Available' );    select \*from log;    end if;    end $  delimiter ; |
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| 1. Write a procedure(named getQualification) that takes studentID as a parameter. If studentIDis present in the student table, then print his student details along with STUDENT\_QUALIFICATION details and if the studentIDis not present display message “Student not found…” (Use: STUDENT, andSTUDENT\_QUALIFICATION tables) |
| DROP PROCEDURE IF EXISTS getQualification;  delimiter $  CREATE PROCEDURE getQualification(in sid int)  BEGIN    DECLARE v1 BOOLEAN DEFAULT FALSE;    SELECT TRUE INTO v1 FROM student WHERE id=sid;    if v1=1 THEN    SELECT \* from student\_qualifications WHERE studentid=sid;    ELSE    SELECT 'Student Not Found' messageBox;    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(  IN sid INT,  IN fname VARCHAR(45),  IN lname VARCHAR(45),  IN dob DATE,  IN mail VARCHAR(128),  IN pid INT,  IN pnumber VARCHAR(45),  IN pactive BOOLEAN,  IN aid INT,  IN address VARCHAR(128)  )  BEGIN  --Prasad-R-Patil    IF EXISTS (  SELECT 1  FROM student s  JOIN student\_phone sp ON s.id = sp.studentid  JOIN student\_address sa ON s.id = sa.studentid  WHERE s.id = sid  ) THEN  SELECT 'Student Already EXISTS....' AS MessageBox;  ELSE    INSERT INTO student (id, namefirst, namelast, dob, emailid)  VALUES (sid, fname, lname, dob, mail);      INSERT INTO student\_phone (id, studentid, number, isActive)  VALUES (pid, sid, pnumber, pactive);      INSERT INTO student\_address (id, studentid, address)  VALUES (aid, sid, address);    SELECT 'Student Added Successfully' AS MessageBox;  END IF;  END $  DELIMITER ; |
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| 1. Write a procedure (named addQualification) that takes studentID, and qualification details as a parameter. If studentIDis 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, andSTUDENT\_QUALIFICATION tables) |
| DROP PROCEDURE IF EXISTS addQualification;  delimiter $  CREATE PROCEDURE addQualification(  IN qid INT,  IN sid INT,  in qname VARCHAR(128),  in qcollege VARCHAR(128),  in quniversity VARCHAR(128),  in qmarks VARCHAR(45),  in qyear int  )  BEGIN    IF EXISTS ( SELECT 1 FROM student WHERE id=sid)THEN    INSERT INTO student\_qualifications (id,studentid,name,college,university,marks,year) VALUES(qid,sid,qname,qcollege,quniversity,qmarks,qyear);    SELECT 'RECORD INSERTED Successfully' AS MessageBox;    ELSE    SELECT 'Student Not Found....' AS MessageBox;      END IF;  END $  delimiter ; |
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