Assignment

Feb25/ DBT/126

Database Technologies

Diploma in Advance Computing

February 2025

**Procedure**

|  |
| --- |
| 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 p1;  delimiter $  CREATE PROCEDURE p1(in \_username varchar(20), in \_password varchar(20), in \_email varchar(50))  BEGIN  insert into login VALUES (\_username,\_password,\_email);    SELECT \*from login;  end $  delimiter ; |
|  |
| 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 emailID VARCHAR(50))  BEGIN  IF EXISTS (SELECT TRUE FROM login WHERE email = emailID) THEN  SELECT username, password FROM login WHERE email = emailID;  ELSE  INSERT INTO log (curr\_date,curr\_time,message) VALUES (curdate(),now(),'User not found');  END IF;      SELECT \*from log;  END $  DELIMITER ; |
|  |
| 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 id1 int)  BEGIN  if(SELECT TRUE from student WHERE id=id1) THEN    SELECT s.\*,sq.\* from student s join student\_qualifications sq on s.id = sq.studentid WHERE s.id=id1;    ELSE  SELECT 'student not found' warnning;    end if;    END $  DELIMITER ; |
|  |
| 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 id1 int ,in namefirst varchar(20),in namelast varchar(20), in id2 int, in number varchar(20), in id3 int, in address varchar(50))  BEGIN  DECLARE EXIT HANDLER FOR 1364  BEGIN  SELECT 'Error: Student with this ID already exists' AS error\_message;  END;  if(SELECT TRUE from student WHERE id=id1) THEN    insert into student (id,namefirst,namelast) VALUES (id1,namefirst,namelast);    insert into student\_phone (id,number) VALUES (id2,number);    insert into student\_address (id,address) VALUES (id3,address);    ELSE  SELECT 'student not found' warnning;    end if;    SELECT \* FROM student ;  SELECT \* FROM student\_phone;  SELECT \* FROM student\_address ;    END $  DELIMITER ; |
|  |
| 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) |
|  |
|  |