

Name - Yash Jain

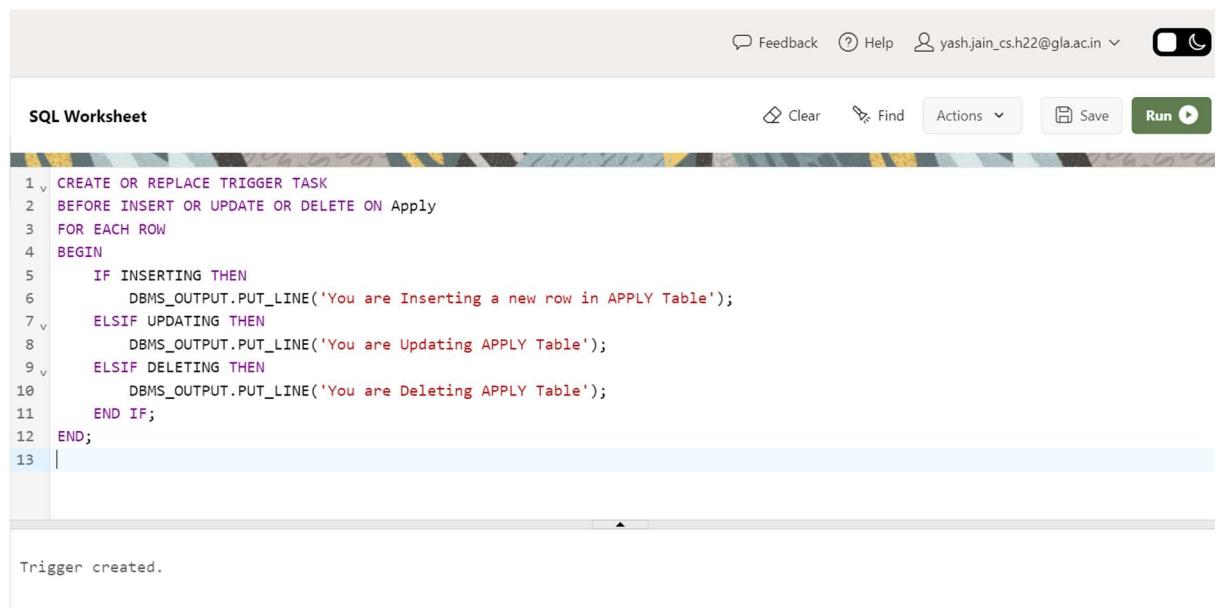
Course - B.Tech(H.) - CSE - III sem – 2nd Yr

Roll No. – 31

University Roll No. – 2215800033

DBMS Assignment -10

1. Create trigger TASK that will display which DML operation we are performing on Apply Table i.e. if we are running Update on Apply then display 'You are Updating APPLY Table', on deletion display 'You are Deleting APPLY Table', on inserting 'You are Inserting a new row in APPLY Table'.

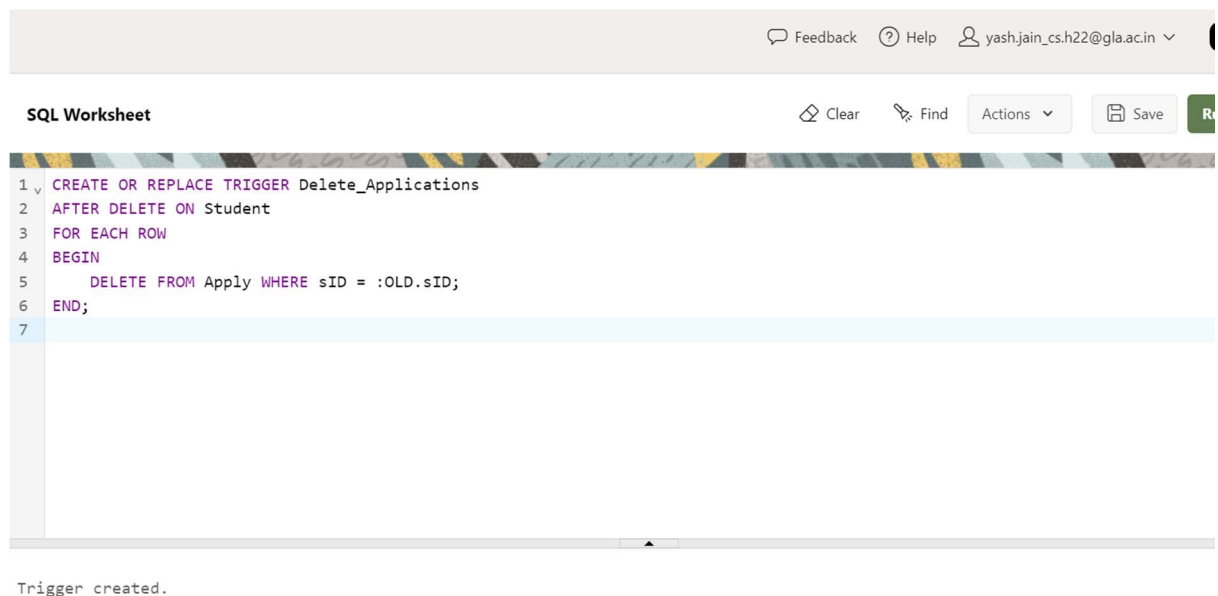


The screenshot shows a web-based SQL Worksheet interface. At the top, there is a header bar with 'Feedback', 'Help', a user profile 'yash.jain_cs.h22@gla.ac.in', and a dark mode toggle. Below the header, the 'SQL Worksheet' title is followed by 'Clear', 'Find', 'Actions', 'Save', and a 'Run' button. The main area contains a SQL script for creating a trigger named TASK. The script is as follows:

```
1 CREATE OR REPLACE TRIGGER TASK
2 BEFORE INSERT OR UPDATE OR DELETE ON Apply
3 FOR EACH ROW
4 BEGIN
5     IF INSERTING THEN
6         DBMS_OUTPUT.PUT_LINE('You are Inserting a new row in APPLY Table');
7     ELSIF UPDATING THEN
8         DBMS_OUTPUT.PUT_LINE('You are Updating APPLY Table');
9     ELSIF DELETING THEN
10        DBMS_OUTPUT.PUT_LINE('You are Deleting APPLY Table');
11    END IF;
12 END;
13
```

Below the script, a status message indicates 'Trigger created.'

2. Create a trigger that will delete the student data from apply table upon deletion from student table



The screenshot shows a web-based SQL Worksheet interface, similar to the one above. The 'SQL Worksheet' title is followed by 'Clear', 'Find', 'Actions', 'Save', and a 'Run' button. The main area contains a SQL script for creating a trigger named Delete_Applications. The script is as follows:

```
1 CREATE OR REPLACE TRIGGER Delete_Applications
2 AFTER DELETE ON Student
3 FOR EACH ROW
4 BEGIN
5     DELETE FROM Apply WHERE sID = :OLD.sID;
6 END;
7
```

Below the script, a status message indicates 'Trigger created.'

3. Create a trigger that will insert all deleted rows from table student to table backup student.

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SQL Worksheet [Clear](#) [Find](#) [Actions](#) [Save](#)

```
1 CREATE OR REPLACE TRIGGER Student_Data
2 AFTER DELETE ON Student
3 FOR EACH ROW
4 BEGIN
5     INSERT INTO Student VALUES (:OLD.sID, :OLD.sName, :OLD.GPA, :OLD.sizeHS, :OLD.DoB);
6 END;
7
```

Trigger created.

4. Create a table STU_MARKS as given below.

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SQL Worksheet [Clear](#) [Find](#) [Actions](#) [Save](#)

```
1 CREATE TABLE STU_MARKS (
2     STUD_NAME VARCHAR2(50), -- Name of Student
3     PERCENTAGE NUMBER(5, 2) -- Percentage Marks
4 );
```

Table created.