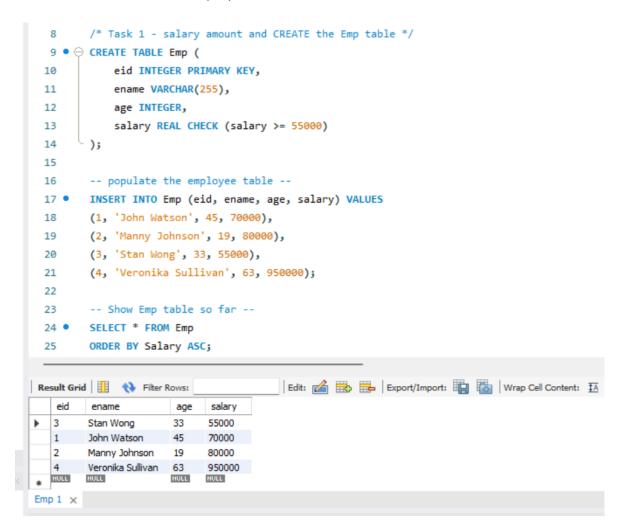
Version 2 - please refer to this version since I updated the code based on the announcement and discussion. Thank you!

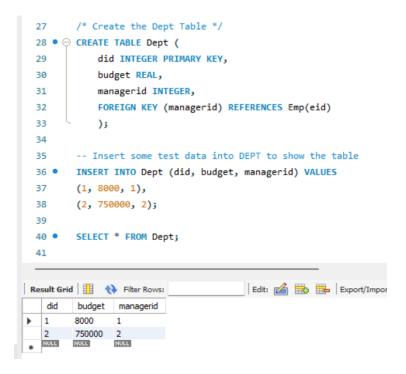
Tasks:

1. Every employee should make at least \$55K. Please define the table of Employees according to this constraint.

Inserted test data into the employee table.



Also inserted some test data to show the department table



2. All managers should be above the age of 30. Please define the table of DEPT according to this constraint.

```
44
         DELIMITER //
 45
 46 •
         CREATE TRIGGER check_manager_age
 47
         BEFORE INSERT ON Dept
 48
         FOR EACH ROW
 49

→ BEGIN

 50
             DECLARE manager_age INTEGER;
 51
              -- get age of manager
 52
             SELECT age INTO manager_age
 53
              FROM Emp
 54
              WHERE eid = NEW.managerid;
 55
              -- see if manager is less than 25 years old
 56
              IF manager_age <= 25 THEN</pre>
 57
                 SIGNAL SQLSTATE '45000'
                  SET MESSAGE_TEXT = 'Whoops! Managers need to be older than 30';
 58
 59
              END IF;
 60
         END;
 61
         //
 62
         DELIMITER;
Output :
Action Output
  8 20:49:53 CREATE TABLE Dept (did INTEGER PRIMARY KEY, budget REAL, managerid INTEGER,
     9 20:49:54 INSERT INTO Dept (did, budget, managerid) VALUES (1, 8000, 1), (2, 750000, 2)
     10 20:49:54 SELECT * FROM Dept LIMIT 0, 1000
     11 20:50:28 CREATE TRIGGER check_manager_age BEFORE INSERT ON Dept FOR EACH ROW BEGIN
```

3. Attempt to insert two invalid data points into the employee and Dept table. One of the data points should belong to an employee who has a salary < \$55K. The second data point should belong to a 25 year-old manager.

Here, the first error shows that the check constraint in the employee table is violated. The second error is because the the manager id, #2, references an employee called "Manny" who is only 19 years old. Since all managers need to be older than 30, this calls the trigger to display the error message.

