# **Group 8:**

Deeksha Rao G - 1970751

Sreenavya N - 1978635

Simerpreet Kaur - 1970697

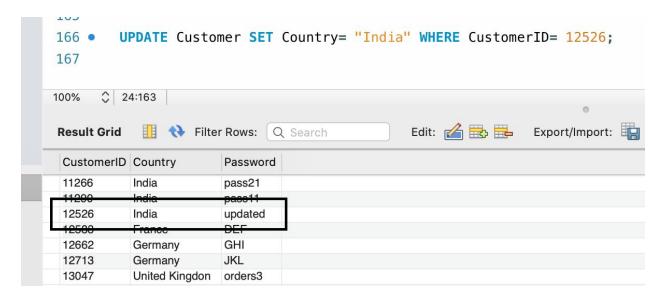
# HW3: Test Cases

Date: 29-May-2020

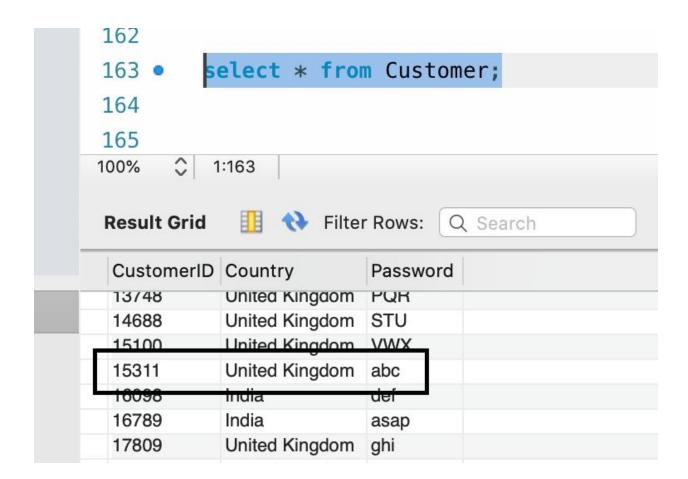
# 1. <u>Update:</u>

CustomerID	Country	Password
11265	India	pass10
11266	India	pass21
11290	India	pass11
12526	Istambul	updated
12583	France	DEF
12662	Germany	GHI
12713	Germany	JKL

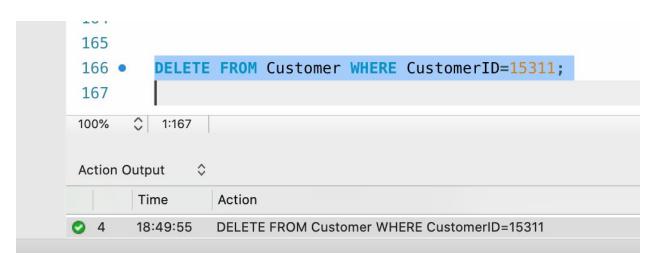
# After updating:



#### 2. Delete:



## After Deleting:

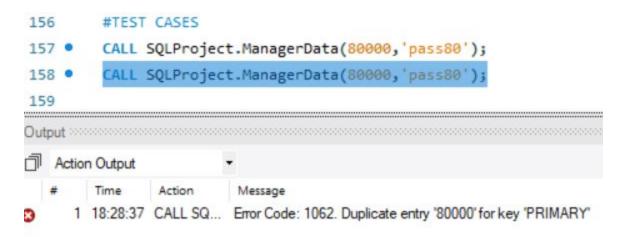


3. Foreign key reference- Insertion of an Invoice directly in InvoiceDetails table



When trying to insert a row into the InvoiceDetails, we are getting an error "Cannot add or update a child row" since it has a foreign key constraint on InvoiceNo

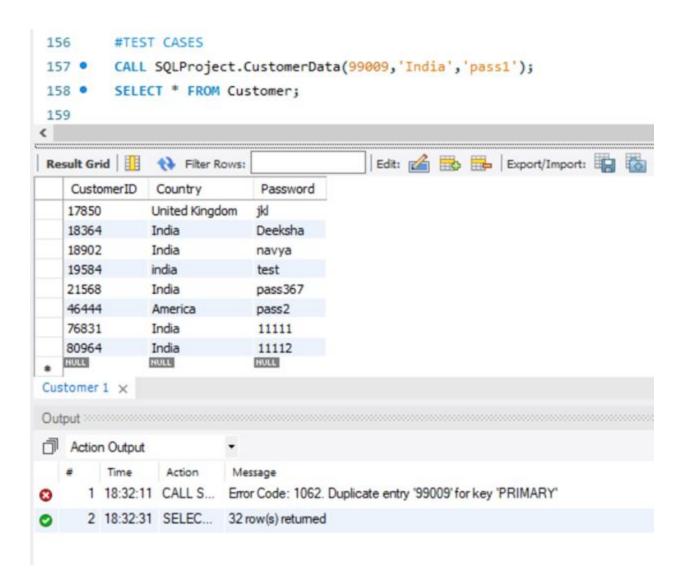
4. Primary Key Uniqueness - Duplicate insertion on ManagerID



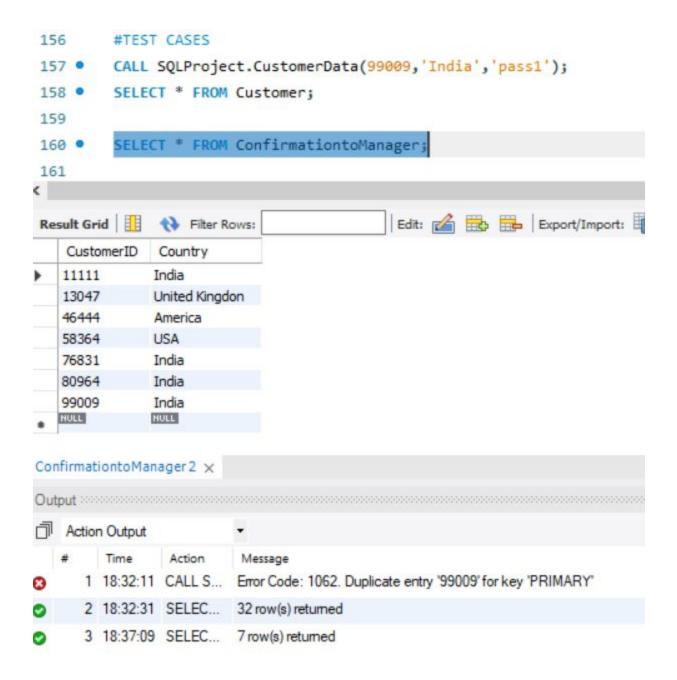
When we are trying to insert a row into the Manager table with ManagerID that already exists, we are getting an error "Duplicate entry" since ManagerID is a primary key.

### 5. Trigger:

Immediately after a new customer record has been added to the Customer table, the same entry will be also added to the trigger table. While the trigger is only for insertion on the Customer table, any deletions on the Customer table will not reflect on the child table with the trigger.



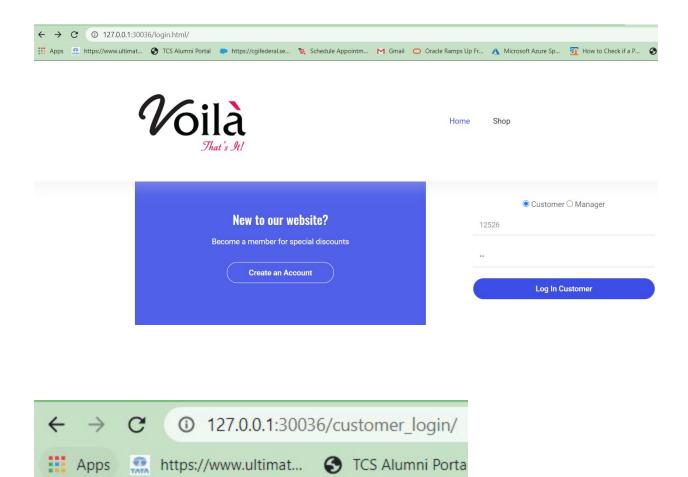
The customer record is not in the main table but it is persistent in the trigger table.



As it can be observed that the trigger table can still have the old records.

#### 6. Login Credential Check

The Customer 12526 has a password of "updated". When given a wrong password to login, it gives a page with "*Invalid credentials*" as shown.



Invalid Creditianls

Similarly, for a manager 21065, the password is "def". When given a wrong password as shown in the screenshot, we see "Invalid Credentials".



**Invalid Crediantials** 

#### 7. On Delete Cascade

The main table being Customer table, when a manager tries to delete a customer record from the database, the transaction is rejected since the customerID is referenced in a child table called Customer\_Invoice. This case is handled using ON DELETE CASCADE enforcement on the child table.

```
161 #TEST CASES
         DELETE FROM Customer WHERE CustomerID='11259';
162 •
         SELECT * FROM Customer_Invoice;
163 •
164
165
166
                                           Export: Wrap Cell Content: TA
InvoiceNo
            CustomerID
             12583
   536370
   536371
             13748
   536373
             17850
   536374
             15100
   536375
             17850
   536378
             14688
   536380
             17809
Customer_Invoice 6 ×
Action Output
        Time
                Action
                         Message
      1 18:57:21 DELET...
                        1 row(s) affected
     2 18:57:43 SELECT... 100 row(s) returned
     3 18:58:05 SELECT... 22 row(s) returned
     4 18:58:56 DELET... 1 row(s) affected
```

8. Views

158 #TEST CASES SELECT \* FROM ConfirmationtoManager; 159 • 160 Edit: Result Grid Filter Rows: CustomerID Country 11111 India United Kingdon 13047 46444 America 58364 USA

76831

80964

99009

NULL

India

India

India

NULL

