

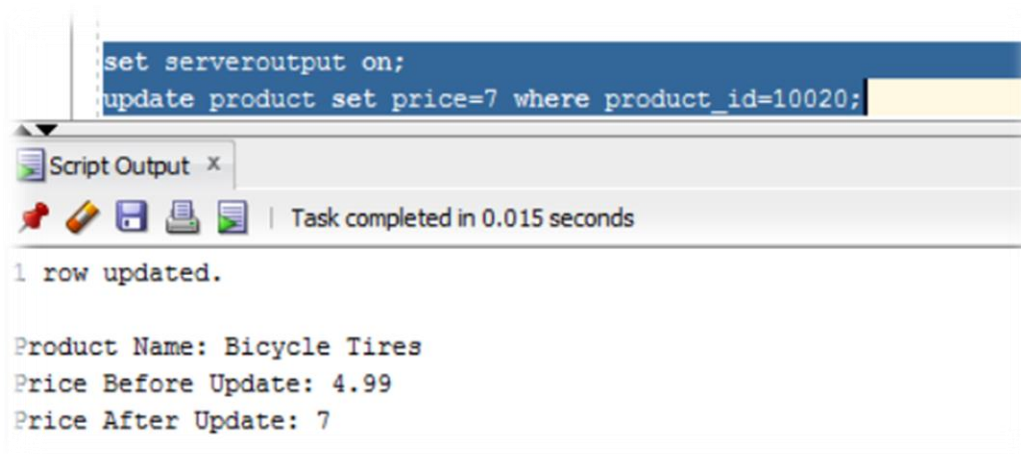
In-class exercise Week 14

Submit a word document that include the following for each task:

- **Trigger code**
- **Screenshot of the query and results**

Tasks:

1. Create a trigger tri_prod that is triggered before the UPDATE operation of PRICE column of PRODUCT table. The trigger simply displays the name of the product, old price and new price whenever the price is updated. (30 Points)



The screenshot shows a SQL Developer window with a script editor at the top containing the following SQL commands:

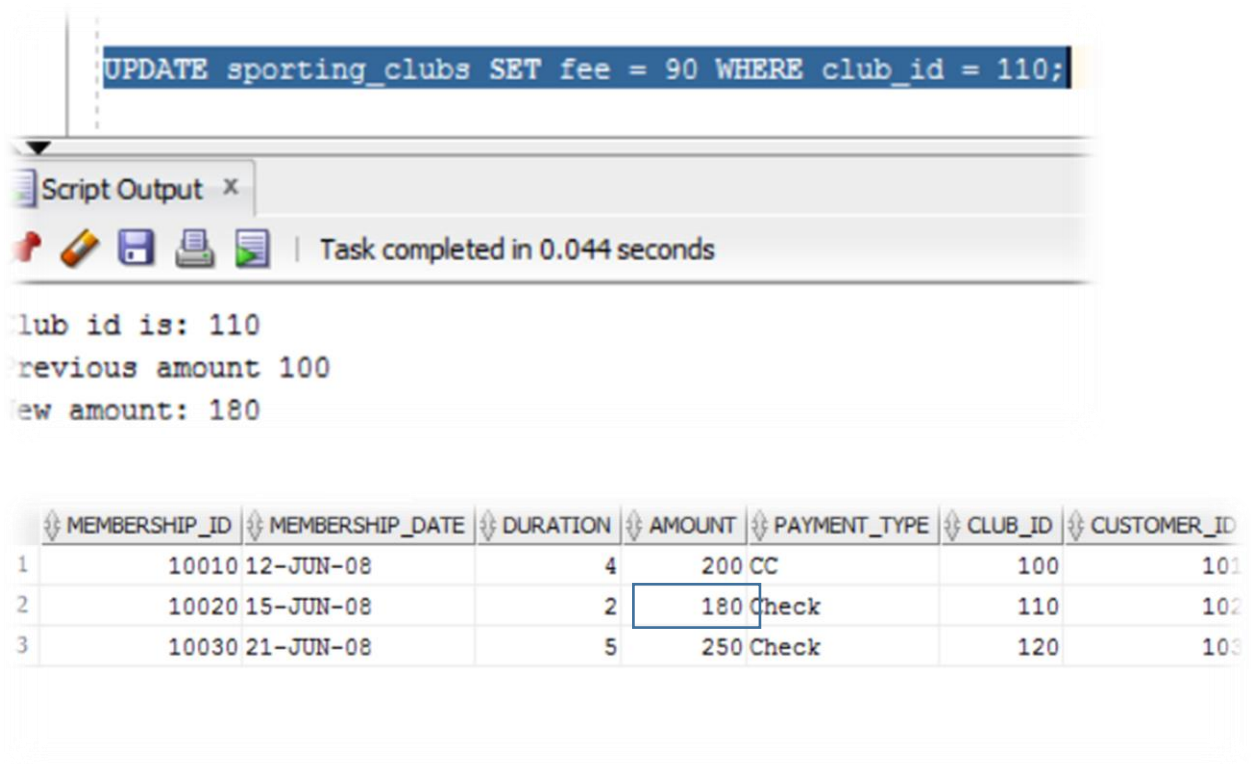
```
set serveroutput on;  
update product set price=7 where product_id=10020;
```

Below the script editor is a 'Script Output' window. It displays the message 'Task completed in 0.015 seconds' and the output of the SQL command:

```
1 row updated.  
  
Product Name: Bicycle Tires  
Price Before Update: 4.99  
Price After Update: 7
```

2. Pre-work: Add a column FEE (data type number(2)) to the sporting_clubs table. Update the table to have fee values 50, 75, 85, 60 for club_id 100, 110, 120, 130 respectively.

Create a trigger update_club_fee, that is executed after the UPDATE operation on FEE of sporting_clubs. Trigger updates the AMOUNT (duration * new fee) attribute in club_membership table for that club_id. Also, display an output message as shown below: (70 Points)



The screenshot shows a database script execution window. At the top, a SQL statement is highlighted: `UPDATE sporting_clubs SET fee = 90 WHERE club_id = 110;`. Below the script, a status bar indicates "Task completed in 0.044 seconds". The output section displays the following text:

```
Club id is: 110
Previous amount 100
New amount: 180
```

Below the output, a table displays the contents of the club_membership table. The table has seven columns: MEMBERSHIP_ID, MEMBERSHIP_DATE, DURATION, AMOUNT, PAYMENT_TYPE, CLUB_ID, and CUSTOMER_ID. The data is as follows:

	MEMBERSHIP_ID	MEMBERSHIP_DATE	DURATION	AMOUNT	PAYMENT_TYPE	CLUB_ID	CUSTOMER_ID
1	10010	12-JUN-08	4	200	CC	100	101
2	10020	15-JUN-08	2	180	Check	110	102
3	10030	21-JUN-08	5	250	Check	120	103