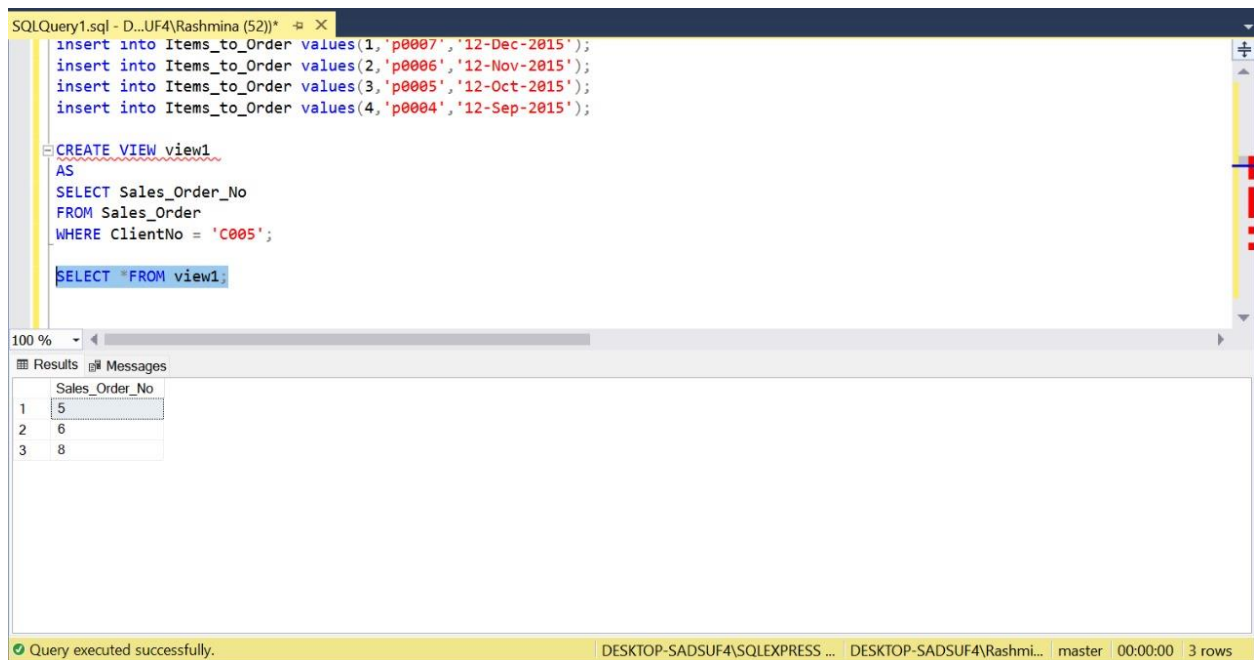


3. Create views for the following.

3.1. Prepare a list of sales orders placed by the client C005.

```
CREATE VIEW view1  
  
AS  
  
SELECT Sales_Order_No  
  
FROM Sales_Order  
  
WHERE ClientNo = 'C005';  
  
SELECT *FROM view1;
```



SQLQuery1.sql - D:\UF4\Rashmina (52)\*

```
insert into Items_to_Order values(1, 'p0007', '12-Dec-2015');  
insert into Items_to_Order values(2, 'p0006', '12-Nov-2015');  
insert into Items_to_Order values(3, 'p0005', '12-Oct-2015');  
insert into Items_to_Order values(4, 'p0004', '12-Sep-2015');  
  
CREATE VIEW view1  
AS  
SELECT Sales_Order_No  
FROM Sales_Order  
WHERE ClientNo = 'C005';  
  
SELECT *FROM view1;
```

100 %

Results Messages

	Sales_Order_No
1	5
2	6
3	8

Query executed successfully. DESKTOP-SADSUF4\SQLEXPRESS ... DESKTOP-SADSUF4\Rashmi... master 00:00:00 3 rows

### 3.2. Print the description and total quantity sold from each product

```
CREATE VIEW view2  
  
AS  
  
SELECT Product.ProductNo,  
Product.Description,  
Sales_Order_Details.Quantity  
  
FROM Product  
  
INNER JOIN Sales_Order_Details  
  
ON Product.ProductNo =  
Sales_Order_Details.ProductNo;  
  
SELECT *FROM view2;
```

The screenshot displays the SQL Server Enterprise Manager interface. The top pane shows a query window titled 'SQLQuery1.sql - D:\UF4\Rashmina (52))' containing the following SQL code:

```
CREATE VIEW view2  
AS  
SELECT Product.ProductNo, Product.Description1, Sales_Order_Details.Quantity  
FROM Product  
INNER JOIN Sales_Order_Details  
ON Product.ProductNo = Sales_Order_Details.Product_No;  
  
SELECT *FROM view2;
```

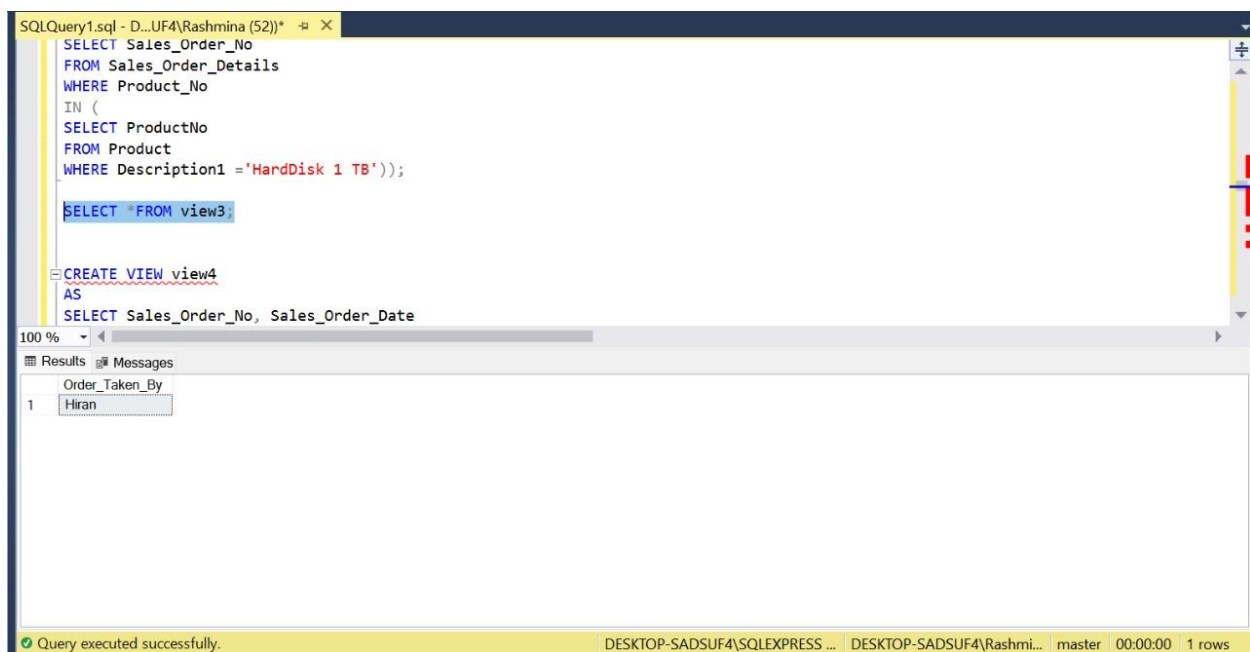
The bottom pane shows the 'Results' tab with a table containing 8 rows of data:

	ProductNo	Description1	Quantity
1	p0001	FlashDrive 8 GB	10
2	p0002	Keyboard	20
3	p0004	HardDisk 400 GB	30
4	p0003	Mouse	40
5	p0006	FlashDrive 32 GB	50
6	p0005	HardDisk 1 TB	60
7	p0006	FlashDrive 32 GB	20
8	p0009	Mouse Pad	100

The status bar at the bottom indicates 'Query executed successfully.' and shows the execution context: 'DESKTOP-SADSUF4\SQLEXPRESS ...', 'DESKTOP-SADSUF4\Rashmi...', 'master', '00:00:00', and '8 rows'.

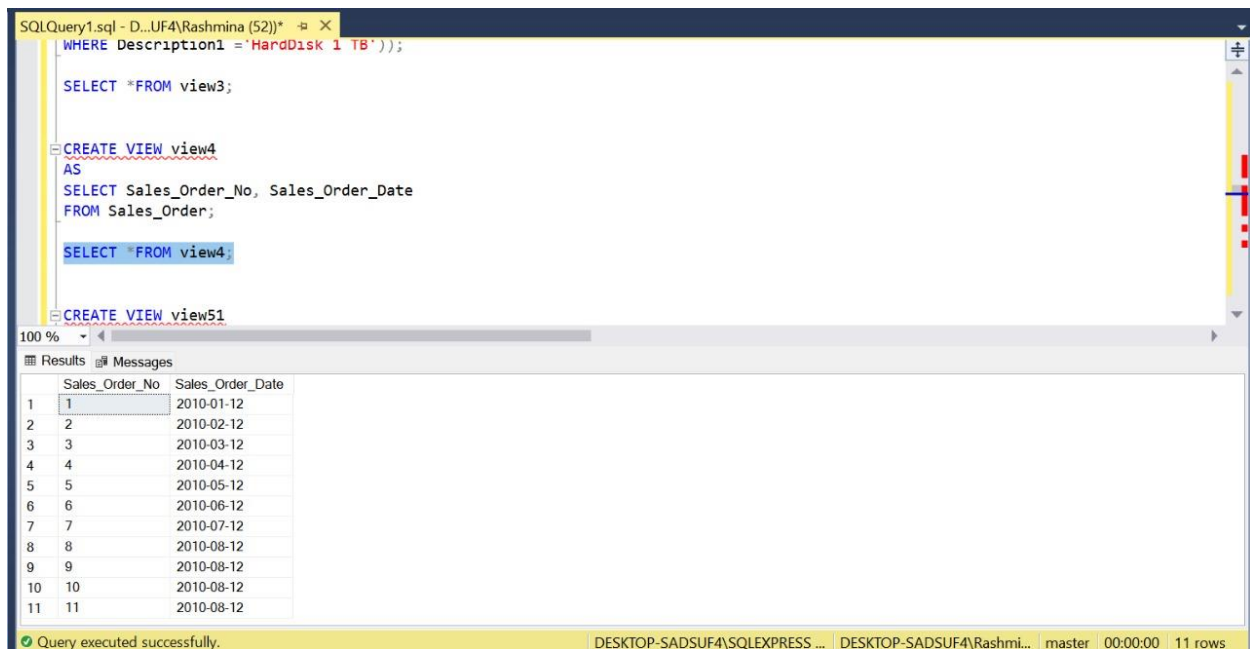
### 3.3. Find the names of sales persons who have sold HardDisk I TB

```
CREATE VIEW view3  
  
AS  
  
SELECT Order_Taken_By  
  
FROM Sales_Order  
  
WHERE Sales_Order_No  
  
IN (  
  
SELECT Sales_Order_No  
  
FROM Sales_Order_Details  
  
WHERE ProductNo  
  
IN (  
  
SELECT ProdcutNo  
  
FROM Product  
  
WHERE Description = ' HardDisk 1  
TB'));  
  
SELECT *FROM view3;
```



### 3.4. Display the sales order no and the day the customer placed their order

```
CREATE VIEW view4  
  
AS  
  
SELECT Sales_Order_No,  
Sales_Order_Date  
  
FROM Sales_Order;  
  
SELECT *FROM view4;
```



The screenshot shows a SQL Server Enterprise Manager window with a query window titled "SQLQuery1.sql - D:\UF4\Rashmina (52)\*". The query window contains the following SQL code:

```
WHERE Description1 = 'HardDisk 1 TB');  
  
SELECT *FROM view3;  
  
CREATE VIEW view4  
AS  
SELECT Sales_Order_No, Sales_Order_Date  
FROM Sales_Order;  
  
SELECT *FROM view4;  
  
CREATE VIEW view51
```

The query window is set to 100% zoom. Below the query window, the "Results" tab is selected, displaying a table with two columns: "Sales\_Order\_No" and "Sales\_Order\_Date". The table contains 11 rows of data, numbered 1 through 11 in the first column. The status bar at the bottom indicates "Query executed successfully." and "11 rows".

	Sales_Order_No	Sales_Order_Date
1	1	2010-01-12
2	2	2010-02-12
3	3	2010-03-12
4	4	2010-04-12
5	5	2010-05-12
6	6	2010-06-12
7	7	2010-07-12
8	8	2010-08-12
9	9	2010-08-12
10	10	2010-08-12
11	11	2010-08-12

### 3.5. Display the orders to be delivered in a given day

```
CREATE VIEW view51  
  
AS  
  
SELECT Sales_Order_No  
  
FROM Sales_Order  
  
GROUP BY Sales_Order_Date,  
Sales_Order_No;  
  
SELECT *FROM view51;
```

The screenshot displays the SQL Server Enterprise Manager interface. The top pane shows a query window titled 'SQLQuery1.sql - D:\UF4\Rashmina (52))' containing the following SQL code:

```
CREATE VIEW view51  
AS  
SELECT Sales_Order_No,Sales_Order_Date  
FROM Sales_Order  
GROUP BY Sales_Order_Date, Sales_Order_No;  
  
SELECT *FROM view51;  
  
CREATE VIEW view6  
AS  
SELECT Sales_Order_No, SUM (Product.Selling_Price* Sales_Order_Details.Quantity)  
AS Bill_Value
```

The bottom pane shows the 'Results' tab with a table containing 11 rows of data. The table has two columns: 'Sales\_Order\_No' and 'Sales\_Order\_Date'.

	Sales_Order_No	Sales_Order_Date
1	1	2010-01-12
2	2	2010-02-12
3	3	2010-03-12
4	4	2010-04-12
5	5	2010-05-12
6	6	2010-06-12
7	7	2010-07-12
8	8	2010-08-12
9	9	2010-08-12
10	10	2010-08-12
11	11	2010-08-12

The status bar at the bottom indicates 'Query executed successfully.' and 'DESKTOP-SADSUF4\SQLEXPRESS ... | DESKTOP-SADSUF4\Rashmi... | master | 00:00:00 | 11 rows'.

### 3.6. Find the bill value of a given Sales\_Order

```
CREATE VIEW view6  
  
AS  
  
SELECT Sales_Order_No,  
SUM(Product.Selling_Price *  
Sales_Order_Details.Quantity) AS  
Bill_Value  
  
FROM Sales_Order_Details  
  
INNER JOIN Product ON  
Product.ProductNo =  
Sales_Order_Details.Product_No  
  
GROUP BY Sales_Order_No;  
  
SELECT *FROM view6;
```

The screenshot shows a SQL Server Enterprise Manager window with a query window titled 'SQLQuery1.sql - D:\UF4\Rashmina (52)\*'. The query window contains the following SQL code:

```
SELECT *FROM view51;  
  
CREATE VIEW view6  
AS  
SELECT Sales_Order_No, SUM (Product.Selling_Price* Sales_Order_Details.Quantity) OVER (PARTITION BY Sales_Order_No  
AS Bill_Value  
FROM Sales_Order_Details  
INNER JOIN Product  
ON Product.ProductNo = Sales_Order_Details.Product_No;  
SELECT *FROM view6;
```

The query window is set to 100% zoom. Below the query window, the 'Results' tab is selected, displaying a table with 8 rows and 2 columns: 'Sales\_Order\_No' and 'Bill\_Value'.

	Sales_Order_No	Bill_Value
1	1	10500.00
2	2	77000.00
3	3	345000.00
4	4	52800.00
5	5	57750.00
6	6	1035000.00
7	7	23100.00
8	9	4000.00

The status bar at the bottom indicates 'Query executed successfully.' and 'DESKTOP-SADSUF4\SQLEXPRESS ... | DESKTOP-SADSUF4\Rashmi... | master | 00:00:00 | 8 rows'.