```
a4*                    1        ×  2        3        SQL File 6*
                                             Limit to 1000 rows     ▾  ⭐  ✔  Q
1 •       CREATE DATABASE assignment7_8;
2 •       USE assignment7_8;
3 • ⊖     CREATE TABLE SalesPeople (
4             Snum INT primary key,
5             Sname VARCHAR(255),
6             City VARCHAR(255),
7             Comm float
8         );
9 •       INSERT INTO SalesPeople VALUES
10        (1001,'Peel','London',.12),
11        (1002,'Serres','Sanjose',.13),
12        (1004,'Motika','Landon',.11),
13        (1007,'Rifkin','Barcelona',.15),
14        (1003,'Axelrod','Newyork',.10);
15
```
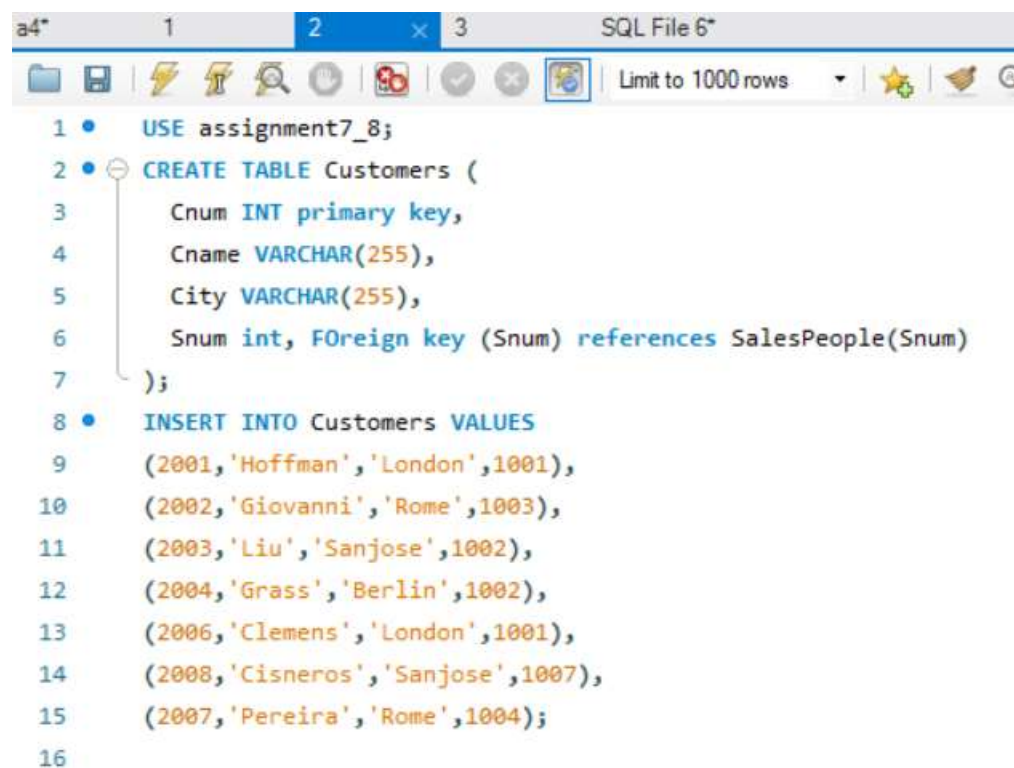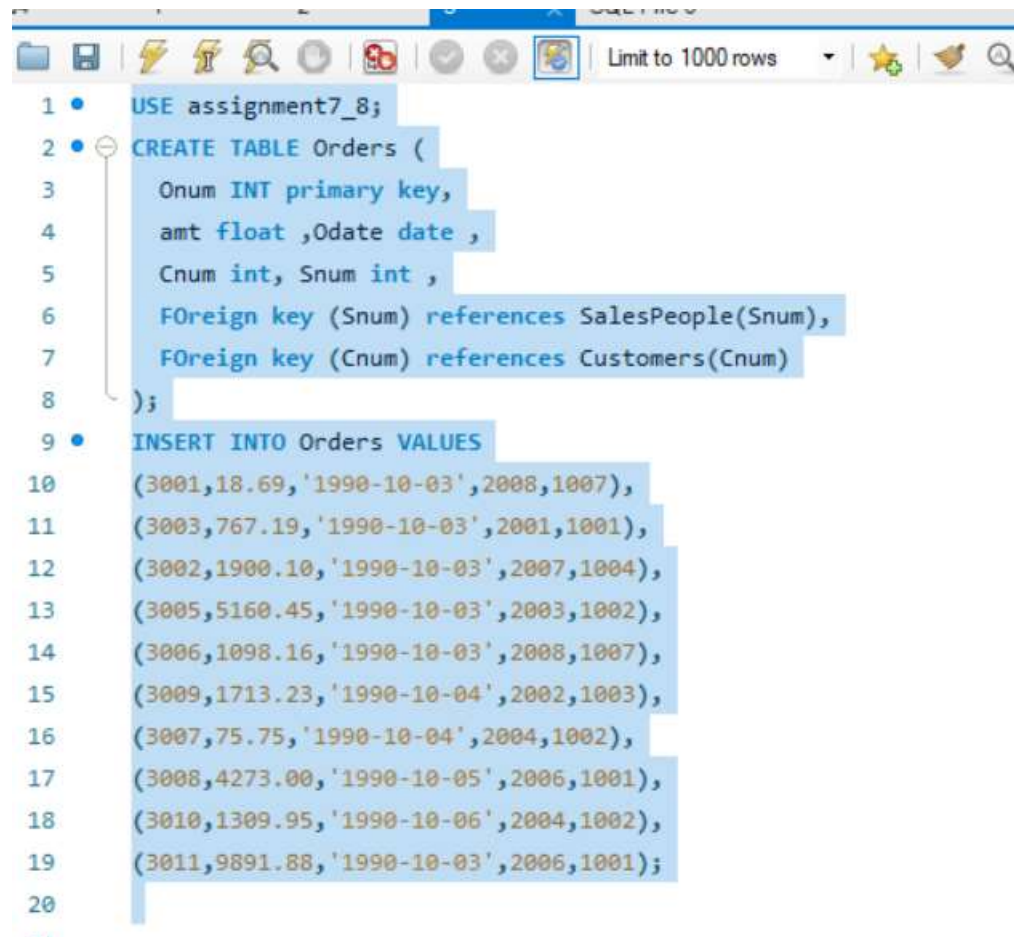
```
a4*            1            2    ×  3        SQL File 6*
                                             Limit to 1000 rows     ▾  ⭐  ✔  Q
1 •       USE assignment7_8;
2 • ⊖     CREATE TABLE Customers (
3             Cnum INT primary key,
4             Cname VARCHAR(255),
5             City VARCHAR(255),
6             Snum int, FOreign key (Snum) references SalesPeople(Snum)
7         );
8 •       INSERT INTO Customers VALUES
9         (2001,'Hoffman','London',1001),
10        (2002,'Giovanni','Rome',1003),
11        (2003,'Liu','Sanjose',1002),
12        (2004,'Grass','Berlin',1002),
13        (2006,'Clemens','London',1001),
14        (2008,'Cisneros','Sanjose',1007),
15        (2007,'Pereira','Rome',1004);
16
```

```sql
1 •    USE assignment7_8;
2 • ⊖  CREATE TABLE Orders (
3          Onum INT primary key,
4          amt float ,Odate date ,
5          Cnum int, Snum int ,
6          FOreign key (Snum) references SalesPeople(Snum),
7          FOreign key (Cnum) references Customers(Cnum)
8      );
9 •    INSERT INTO Orders VALUES
10        (3001,18.69,'1990-10-03',2008,1007),
11        (3003,767.19,'1990-10-03',2001,1001),
12        (3002,1900.10,'1990-10-03',2007,1004),
13        (3005,5160.45,'1990-10-03',2003,1002),
14        (3006,1098.16,'1990-10-03',2008,1007),
15        (3009,1713.23,'1990-10-04',2002,1003),
16        (3007,75.75,'1990-10-04',2004,1002),
17        (3008,4273.00,'1990-10-05',2006,1001),
18        (3010,1309.95,'1990-10-06',2004,1002),
19        (3011,9891.88,'1990-10-03',2006,1001);
20
```

```
MySQL 8.0 Command Line Client
Query OK, 3 rows affected (0.08 sec)

mysql> use assignment7_8
Database changed
mysql> show tables;
+-----------------------+
| Tables_in_assignment7_8 |
+-----------------------+
| customers             |
| orders                |
| salespeople           |
+-----------------------+
3 rows in set (0.01 sec)

mysql> select * from Customers;
+------+----------+----------+------+
| Cnum | Cname    | City     | Snum |
+------+----------+----------+------+
| 2001 | Hoffman  | London   | 1001 |
| 2002 | Giovanni | Rome     | 1003 |
| 2003 | Liu      | Sanjose  | 1002 |
| 2004 | Grass    | Berlin   | 1002 |
| 2006 | Clemens  | London   | 1001 |
| 2007 | Pereira  | Rome     | 1004 |
| 2008 | Cisneros | Sanjose  | 1007 |
+------+----------+----------+------+
7 rows in set (0.00 sec)

mysql> select * from Orders
    -> ;
+------+---------+------------+------+------+
| Onum | amt     | Odate      | Cnum | Snum |
+------+---------+------------+------+------+
| 3001 |   18.69 | 1990-10-03 | 2008 | 1007 |
| 3002 |  1900.1 | 1990-10-03 | 2007 | 1004 |
| 3003 |  767.19 | 1990-10-03 | 2001 | 1001 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3007 |   75.75 | 1990-10-04 | 2004 | 1002 |
| 3008 |    4273 | 1990-10-05 | 2006 | 1001 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-03 | 2006 | 1001 |
+------+---------+------------+------+------+
10 rows in set (0.00 sec)
```

```
10 rows in set (0.00 sec)

mysql> select * from SalesPeople;
+------+---------+-----------+------+
| Snum | Sname   | City      | Comm |
+------+---------+-----------+------+
| 1001 | Peel    | London    | 0.12 |
| 1002 | Serres  | Sanjose   | 0.13 |
| 1003 | Axelrod | Newyork   |  0.1 |
| 1004 | Motika  | Landon    | 0.11 |
| 1007 | Rifkin  | Barcelona | 0.15 |
+------+---------+-----------+------+
5 rows in set (0.00 sec)

mysql>
```

SELECT COUNT(*) AS SalespeopleWithAName

FROM SalesPeople

WHERE UPPER(Sname) LIKE 'A%';

SELECT S.Snum, S.Sname

FROM SalesPeople S

WHERE NOT EXISTS (

    SELECT O.Onum

    FROM Orders O

    WHERE O.Snum = S.Snum AND O.Amt <= 2000

);

SELECT COUNT(*) AS SalespeopleInNewYork

FROM SalesPeople

WHERE UPPER(City) = 'NEWYORK';

SELECT City, COUNT(*) AS NumberOfSalespeople

FROM SalesPeople

WHERE City IN ('Landon', 'Paris')

GROUP BY City;

SELECT S.Snum, S.Sname, COUNT(O.Onum) AS NumberOfOrders

FROM SalesPeople S

LEFT JOIN Orders O ON S.Snum = O.Snum

GROUP BY S.Snum, S.Sname;

SELECT Odate, COUNT(DISTINCT Snum) AS NumberOfSalespeople

FROM Orders

GROUP BY Odate;

SELECT Cnum, Cname

FROM Customers

WHERE UPPER(Cname) LIKE 'G%'

ORDER BY Cname

LIMIT 1;

SELECT Snum, MAX(Amt) AS LargestOrderAmount

FROM Orders

WHERE Snum IN (1002, 1007)

GROUP BY Snum;

SELECT S.Snum, S.Sname, O.Odate, MAX(O.Amt) AS MaximumOrderAmount

FROM SalesPeople S
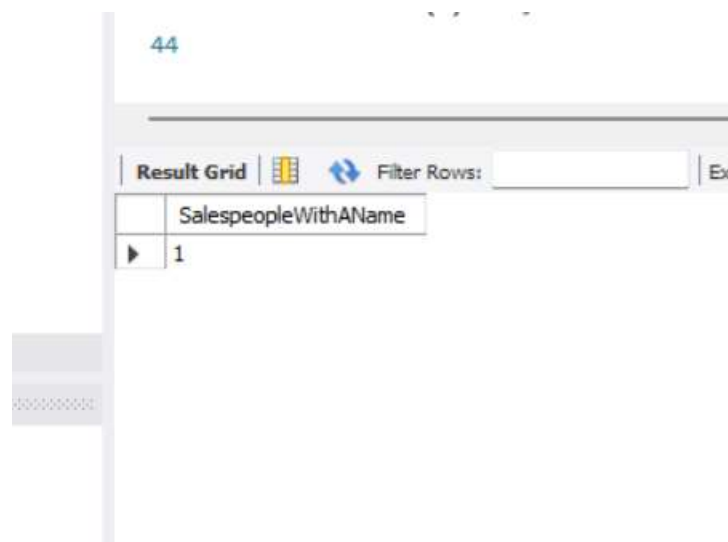
JOIN Orders O ON S.Snum = O.Snum

WHERE O.Amt > 3000

GROUP BY S.Snum, S.Sname, O.Odate;

SELECT City, Comm, COUNT(*) AS NumberOfSalespeople

FROM SalesPeople

GROUP BY City, Comm

HAVING COUNT(*) > 1;

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Result Grid	Filter Rows:	Ex
	SalespeopleWithAName	
▶	1	

	Snum	Sname
▶*	NULL	NULL

	SalespeopleInNewYork
▶	1

	City	NumberOfSalespeople
▶	Landon	1

	Snum	Sname	NumberOfOrders
▶	1001	Peel	3
	1002	Serres	3
	1003	Axelrod	1
	1004	Motika	1
	1007	Rifkin	2

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	Odate	NumberOfSalespeople
	1990-10-03	4
	1990-10-04	2
	1990-10-05	1
▶	1990-10-06	1

Result Grid | Filter R

Cnum	Cname
2002	Giovanni
NULL	NULL

Result Grid | Filter Rows:

Snum	LargestOrderAmount
1002	5160.45
1007	1098.16

Result Grid | Filter Rows: | Export:

Snum	Sname	Odate	MaximumOrderAmount
1002	Serres	1990-10-03	5160.45
1001	Peel	1990-10-05	4273
1001	Peel	1990-10-03	9891.88

Result Grid | Filter Rows:

City	Comm	NumberOfSalespeople