

Final End Assignment

1. Open the MySQL work bench and create a database called Bank.

```
SQL>CREATE SCHEMA bank;
```

2. Create a table called Customer with the following fields:

```
Customer_number varchar(6)
Firstname varchar(15)
Lastname varchar(15)
Middlename varchar(15)
Customer_city varchar(20)
Customer_contact_no varchar(10)
Occupation varchar(20)
Customer_date_of_birth DATE
```

```
SQL>create table customer(
    Customer_number varchar(6) primary key,
    Firstname varchar(15),
    Lastname varchar(15),
    Middlename varchar(15),
    Customer_city varchar(20),
    Customer_contact_no varchar(10),
    Occupation varchar(20),
    Customer_date_of_birth DATE
);
```

3. Insert 10 records into the above created table.

```
SQL>insert into
customer(Customer_number,    Firstname,    Lastname,    Middlename,
Customer_city, Customer_contact_no, Occupation, Customer_date_of_birth)
values
('1', 'Aniket', 'Digge', 'Pandurang', 'Pune', '8390299822', 'Software Engineer',
'2001-03-11'),
('2', 'Aatish', 'Ichale', 'Suresh', 'Chiplun', '8390299851', 'ID Designer', '2001-12-
04'),
('3', 'Ronit', 'Kohinkar', 'Sanjay', 'Nagpur', '8390299845', 'Software Engineer',
'2001-10-02'),
('4', 'Nikhil', 'Jambhale', 'Mohan', 'Latur', '8390299874', 'Market Exec', '2001-
04-15'),
('5', 'Yash', 'Gosavi', 'Jayvant', 'Pune', '8390549874', 'Software Engineer',
'2000-05-10'),
('6', 'Onkar', 'Aadhav', 'Vitthal', 'Bed', '8397549874', 'Bank Manager', '2001-11-
16'),
('7', 'Surabh', 'Sonavne', 'Sanjay', 'Daund', '8397585874', 'Software Engineer',
'2001-12-17'),
('8', 'Aabhishek', 'Digge', 'Pandurang', 'Pune', '8398585874', 'Solder', '2005-
09-21'),
```

('9', 'Omkar', 'Digge', 'Eknath', 'Solapur', '8398575874', 'Police Officer', '2002-08-09'),
 ('10', 'Pratik', 'Digge', 'Eknath', 'Solapur', '8398855874', 'Operation Exec.', '2003-03-13');

Output

Query 1

Limit to 1000 rows

```
1 • select * from customer
2
3
4
```

Customer_number	Firstname	Lastname	Middlename	Customer_city	Customer_contact_no	Occupation	Customer_date_of_birth
1	Aniket	Digge	Pandurang	Pune	8390299822	Software Engineer	2001-03-11
2	Aatish	Ichale	Suresh	Chiplun	8390299851	ID Designer	2001-12-04
3	Ronit	Kohinkar	Sanjay	Nagpur	8390299845	Software Engineer	2001-10-02
4	Nikhil	Jambhale	Mohan	Latur	8390299874	Market Exec	2001-04-15
5	Yash	Gosavi	Jayvant	Pune	8390549874	Software Engineer	2000-05-10
6	Onkar	Aadhav	Vitthal	Bed	8397549874	Bank Manager	2001-11-16
7	Surabh	Sonavne	Sanjay	Daund	8397585874	Software Engineer	2001-12-17
8	Aabhishek	Digge	Pandurang	Pune	8398585874	Solder	2005-09-21
9	Omkar	Digge	Eknath	Solapur	8398575874	Police Officer	2002-08-09
10	Pratik	Digge	Eknath	Solapur	8398855874	Operation Exec.	2003-03-13
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid

Form Editor

Field Types

Query Stats

4. Display all the records from the customer table.

SQL>select * from customer;

Output

Query 1

Limit to 1000 rows

```
1 • select * from customer
2
3
4
```

Customer_number	Firstname	Lastname	Middlename	Customer_city	Customer_contact_no	Occupation	Customer_date_of_birth
1	Aniket	Digge	Pandurang	Pune	8390299822	Software Engineer	2001-03-11
2	Aatish	Ichale	Suresh	Chiplun	8390299851	ID Designer	2001-12-04
3	Ronit	Kohinkar	Sanjay	Nagpur	8390299845	Software Engineer	2001-10-02
4	Nikhil	Jambhale	Mohan	Latur	8390299874	Market Exec	2001-04-15
5	Yash	Gosavi	Jayvant	Pune	8390549874	Software Engineer	2000-05-10
6	Onkar	Aadhav	Vitthal	Bed	8397549874	Bank Manager	2001-11-16
7	Surabh	Sonavne	Sanjay	Daund	8397585874	Software Engineer	2001-12-17
8	Aabhishek	Digge	Pandurang	Pune	8398585874	Solder	2005-09-21
9	Omkar	Digge	Eknath	Solapur	8398575874	Police Officer	2002-08-09
10	Pratik	Digge	Eknath	Solapur	8398855874	Operation Exec.	2003-03-13
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid

Form Editor

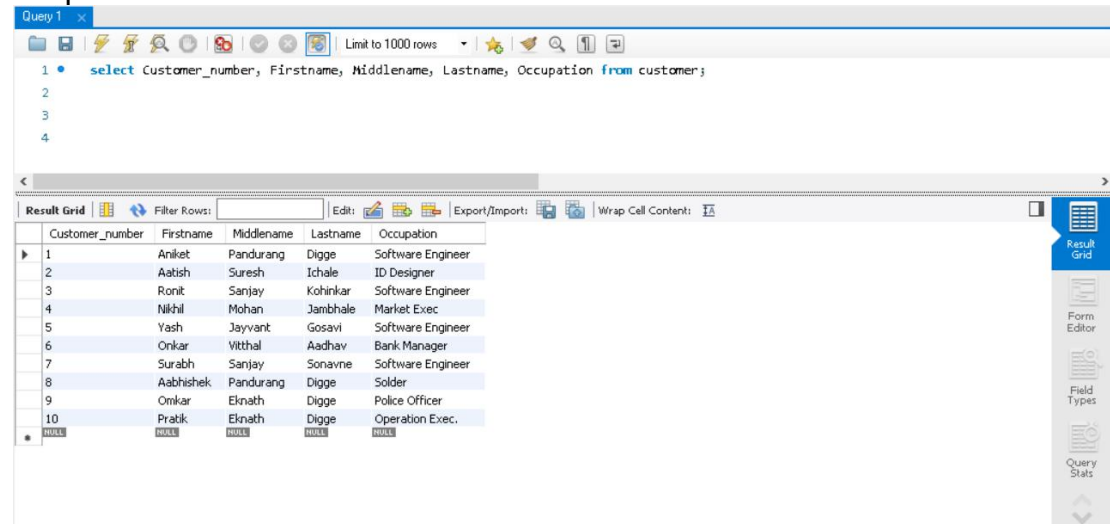
Field Types

Query Stats

5. Display customer_number, firstname, middlename, lastname and occupation fields only

SQL>select Customer_number, Firstname, Middlename, Lastname, Occupation from customer;

Output:



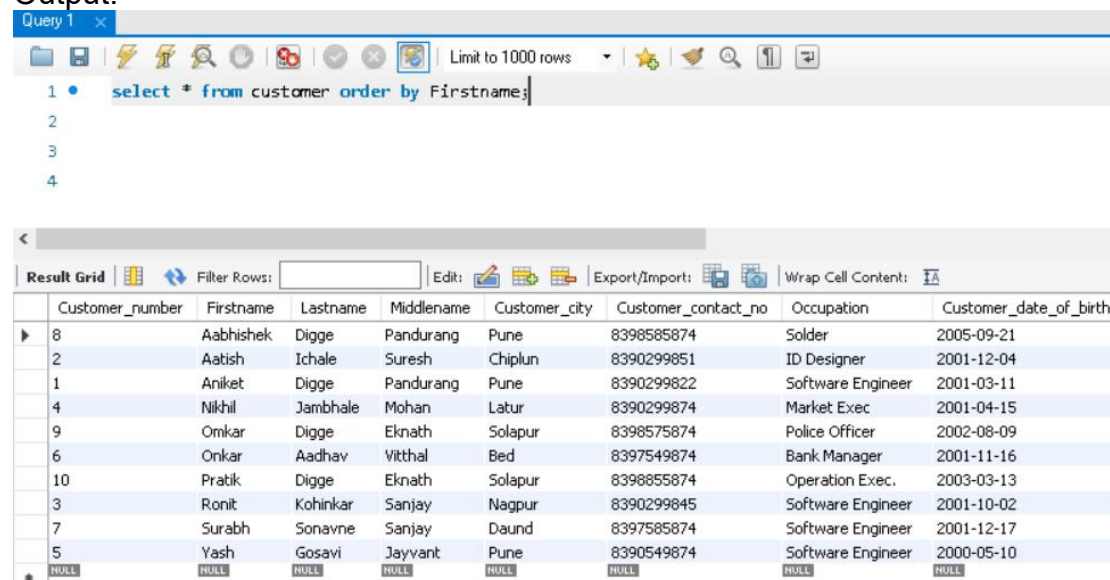
The screenshot shows a SQL query execution window. The query is: `select Customer_number, Firstname, Middlename, Lastname, Occupation from customer;`. The result is displayed in a grid with 10 rows and 5 columns. The columns are Customer_number, Firstname, Middlename, Lastname, and Occupation. The data is as follows:

Customer_number	Firstname	Middlename	Lastname	Occupation
1	Aniket	Pandurang	Digge	Software Engineer
2	Aatish	Suresh	Ichale	ID Designer
3	Ronit	Sanjay	Kohinkar	Software Engineer
4	Nikhil	Mohan	Jambhale	Market Exec
5	Yash	Jayvant	Gosavi	Software Engineer
6	Onkar	Vitthal	Aadhav	Bank Manager
7	Surabh	Sanjay	Sonavne	Software Engineer
8	Aabhishek	Pandurang	Digge	Solder
9	Omkar	Eknath	Digge	Police Officer
10	Pratik	Eknath	Digge	Operation Exec.

6. Display all the records in the ascending order of firstname.

SQL>select * from customer order by Firstname;

Output:



The screenshot shows a SQL query execution window. The query is: `select * from customer order by Firstname;`. The result is displayed in a grid with 10 rows and 9 columns. The columns are Customer_number, Firstname, Lastname, Middlename, Customer_city, Customer_contact_no, Occupation, and Customer_date_of_birth. The data is sorted by Firstname in ascending order.

Customer_number	Firstname	Lastname	Middlename	Customer_city	Customer_contact_no	Occupation	Customer_date_of_birth
8	Aabhishek	Digge	Pandurang	Pune	8398585874	Solder	2005-09-21
2	Aatish	Ichale	Suresh	Chiplun	8390299851	ID Designer	2001-12-04
1	Aniket	Digge	Pandurang	Pune	8390299822	Software Engineer	2001-03-11
4	Nikhil	Jambhale	Mohan	Latur	8390299874	Market Exec	2001-04-15
9	Omkar	Digge	Eknath	Solapur	8398575874	Police Officer	2002-08-09
6	Onkar	Aadhav	Vitthal	Bed	8397549874	Bank Manager	2001-11-16
10	Pratik	Digge	Eknath	Solapur	8398855874	Operation Exec.	2003-03-13
3	Ronit	Kohinkar	Sanjay	Nagpur	8390299845	Software Engineer	2001-10-02
7	Surabh	Sonavne	Sanjay	Daund	8397585874	Software Engineer	2001-12-17
5	Yash	Gosavi	Jayvant	Pune	8390549874	Software Engineer	2000-05-10

[illegible]

9. Update all the records, who occupation is software engineer to Software Developer

```
SQL>update customer set Occupation='Software Developer'
where Occupation='Software Engineer';
```

Output:

[illegible]

10. Delete those records, where customers belongs to a particular city.

```
SQL>delete from customer where Customer_city='Solapur';
```

Output:

[illegible]

[illegible]