TASK

PART 1

1,2

3


```
SELECT * FROM Customer WHERE Country = 'Germany' AND City = 'Berlin'
```

	CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
Edit Copy Delete	1	ABC Corp	John Doe	123 Elm St	Berlin	10115	Germany
Edit Copy Delete	5	Tech Solutions	Charlie White	202 Birch St	Berlin	10117	Germany

4


```
SELECT * FROM Customer WHERE City = 'Berlin' OR City = 'Stuttgart'
```

	CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
Edit Copy Delete	1	ABC Corp	John Doe	123 Elm St	Berlin	10115	Germany
Edit Copy Delete	2	XYZ Inc	Jane Smith	456 Oak St	Stuttgart	70173	Germany
Edit Copy Delete	5	Tech Solutions	Charlie White	202 Birch St	Berlin	10117	Germany

5

```
SELECT * FROM Customer WHERE Country = 'Germany' OR Country = 'Spain'
```

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
Edit ᛟ Copy ⊖ Delete	1	ABC Corp	John Doe	123 Elm St	Berlin	10115	Germany
Edit ᛟ Copy ⊖ Delete	2	XYZ Inc	Jane Smith	456 Oak St	Stuttgart	70173	Germany
Edit ᛟ Copy ⊖ Delete	3	Acme Ltd	Alice Johnson	789 Pine St	Madrid	28001	Spain
Edit ᛟ Copy ⊖ Delete	5	Tech Solutions	Charlie White	202 Birch St	Berlin	10117	Germany

☑ Check all   With selected: 🖉 Edit   ᛟ Copy   ⊖ Delete   📊 Export

6

```
SELECT * FROM Customer WHERE NOT Country = 'Germany'
```

☐ Profiling

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
Edit ᛟ Copy ⊖ Delete	3	Acme Ltd	Alice Johnson	789 Pine St	Madrid	28001	Spain
Edit ᛟ Copy ⊖ Delete	4	Global Co	Bob Brown	101 Maple St	Paris	75001	France

☑ Check all   With selected: 🖉 Edit   ᛟ Copy   ⊖ Delete   📊 Export

PART 2

1

```
SELECT * FROM employee
```

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
John	Abraham	1000000	2013-01-01	Banking
Michael	Clarke	800000	2013-01-01	Insurance
Roy	Thomas	700000	2013-02-01	Banking
Tom	Jose	600000	2013-02-01	Insurance
Jerry	Pinto	650000	2013-02-01	Insurance
Philip	Mathew	750000	2013-01-01	Services
Towino	Thomas	650000	2013-02-01	Services
Leffin	Jose	600000	2013-02-01	Insurance

2

```
SELECT First_Name, Last_Name FROM Employee
```

☐ Show all | Number of rows: 25 ▾   Filter rows: Search this tab

+ Options

First_Name	Last_Name
John	Abraham
Michael	Clarke
Roy	Thomas
Tom	Jose
Jerry	Pinto
Philip	Mathew
Towino	Thomas
Leffin	Jose

3

Showing rows 0 - 7 (8 total, Query took 0.0004 seconds.)

```
SELECT UPPER(First_Name) AS First_Name_Upper FROM Employee
```

☐ Show all | Number of rows: 25 ▾   Filter rows: Search this

+ Options

First_Name_Upper
JOHN
MICHAEL
ROY
TOM
JERRY
PHILIP
TOWINO
LEFFIN

4

```
SELECT LOWER(First_Name) AS First_Name_Lower FROM Employee
```

☐ Show all | Number of rows: 25 ▾   Filter rows: Search this table

+ Options

First_Name_Lower
john
michael
roy
tom
jerry
philip
towino
leffin

5

```
SELECT DISTINCT Department FROM Employee
```

☐ Show all │ Number of rows: [25 ▼]   F

+ Options

Department
Banking
Insurance
Services

6

✔ Showing rows 0 - 7 (8 total, Query took 0.0081 seconds.)

```
SELECT SUBSTRING(First_Name, 1, 3) AS First_3_Chars FROM Employee
```

☐ Show all │ Number of rows: [25 ▼]   Filter rows: [Search this table]

+ Options

First_3_Chars
Joh
Mic
Roy
Tom
Jer
Phi
Tow
Lef

7

✔ Showing rows 0 - 0 (1 total, Query took 0.0078 seconds.)

```
SELECT POSITION('o' IN First_Name) AS Position_Of_O FROM Employee WHERE First_Name = 'John'
```

☐ Show all │ Number of rows: [25 ▼]   Filter rows: [Search this table]

⊢ Options

Position_Of_O
2

8

```
SELECT RTRIM(First_Name) AS First_Name_Right_Trimmed FROM Employee
```

☐ Show all | Number of rows: 25 ▽   Filter rows: Search this table

+ Options

First_Name_Right_Trimmed
John
Michael
Roy
Tom
Jerry
Philip
Towino
Leffin

9

```
SELECT LTRIM(First_Name) AS First_Name_Left_Trimmed FROM Employee
```

☐ Show all | Number of rows: 25 ▽   Filter rows: Search this table

+ Options

First_Name_Left_Trimmed
John
Michael
Roy
Tom
Jerry
Philip
Towino
Leffin

10

```
SELECT REPLACE(First_Name, 'o', '$') AS First_Name_Replaced FROM Employee
```

☐ Show all | Number of rows: 25 ▽   Filter rows: Search this table

+ Options

First_Name_Replaced
J$hn
Michael
R$y
T$m
Jerry
Philip
Twin
Leffin

11

```
SELECT CONCAT(First_Name, '_', Last_Name) AS Full_Name FROM Employee
```

☐ Show all | Number of rows: 25 ∨   Filter rows: Search this table

+ Options

Full_Name
John_Abraham
Michael_Clarke
Roy_Thomas
Tom_Jose
Jerry_Pinto
Philip_Mathew
Towino_Thomas
Leffin_Jose

12

```
SELECT First_Name, YEAR(Joining_Date) AS Joining_Year, MONTH(Joining_Date) AS Joining_Month, DAY(Joining_Date) AS Joining_Day FROM Employee
```

☐ Profiling [Edit inline] [Edit] [Ex

☐ Show all | Number of rows: 25 ∨   Filter rows: Search this table

+ Options

First_Name	Joining_Year	Joining_Month	Joining_Day
John	2013	1	1
Michael	2013	1	1
Roy	2013	2	1
Tom	2013	2	1
Jerry	2013	2	1
Philip	2013	1	1
Towino	2013	2	1
Leffin	2013	2	1

13

```
SELECT * FROM Employee ORDER BY First_Name ASC
```

☐ Show all | Number of rows: 25 ∨   Filter rows: Search this table

+ Options

First_Name ▲ 1	Last_Name	Salary	Joining_Date	Department
Jerry	Pinto	650000	2013-02-01	Insurance
John	Abraham	1000000	2013-01-01	Banking
Leffin	Jose	600000	2013-02-01	Insurance
Michael	Clarke	800000	2013-01-01	Insurance
Philip	Mathew	750000	2013-01-01	Services
Roy	Thomas	700000	2013-02-01	Banking
Tom	Jose	600000	2013-02-01	Insurance
Towino	Thomas	650000	2013-02-01	Services

14

```
SELECT * FROM Employee ORDER BY First_Name DESC
```

☐ Show all | Number of rows: 25 ∨   Filter rows: Search this table

+ Options

First_Name ∨ 1	Last_Name	Salary	Joining_Date	Department
Towino	Thomas	650000	2013-02-01	Services
Tom	Jose	600000	2013-02-01	Insurance
Roy	Thomas	700000	2013-02-01	Banking
Philip	Mathew	750000	2013-01-01	Services
Michael	Clarke	800000	2013-01-01	Insurance
Leffin	Jose	600000	2013-02-01	Insurance
John	Abraham	1000000	2013-01-01	Banking
Jerry	Pinto	650000	2013-02-01	Insurance

15

```
SELECT * FROM Employee ORDER BY First_Name ASC, Salary DESC
```

☐ Show all | Number of rows: 25 ∨   Filter rows: Search this table

+ Options

First_Name ▲ 1	Last_Name	Salary ∨ 2	Joining_Date	Department
Jerry	Pinto	650000	2013-02-01	Insurance
John	Abraham	1000000	2013-01-01	Banking
Leffin	Jose	600000	2013-02-01	Insurance
Michael	Clarke	800000	2013-01-01	Insurance
Philip	Mathew	750000	2013-01-01	Services
Roy	Thomas	700000	2013-02-01	Banking
Tom	Jose	600000	2013-02-01	Insurance
Towino	Thomas	650000	2013-02-01	Services

16

```
SELECT * FROM Employee WHERE First_Name = 'John'
```

☐ Show all | Number of rows: 25 ∨   Filter rows: Search this table

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
John	Abraham	1000000	2013-01-01	Banking

17

```
SELECT * FROM Employee WHERE First_Name IN ('John', 'Roy')
```

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this tab

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
John	Abraham	1000000	2013-01-01	Banking
Roy	Thomas	700000	2013-02-01	Banking

18

✔ Showing rows 0 - 5 (6 total, Query took 0.0019 seconds.)

```
SELECT * FROM Employee WHERE First_Name NOT IN ('John', 'Roy')
```

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
Michael	Clarke	800000	2013-01-01	Insurance
Tom	Jose	600000	2013-02-01	Insurance
Jerry	Pinto	650000	2013-02-01	Insurance
Philip	Mathew	750000	2013-01-01	Services
Towino	Thomas	650000	2013-02-01	Services
Leffin	Jose	600000	2013-02-01	Insurance

19

```
SELECT * FROM Employee WHERE First_Name LIKE '___n'
```

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
John	Abraham	1000000	2013-01-01	Banking

20

Showing rows 0 - 0 (1 total, Query took 0.0008 seconds.)

```sql
SELECT * FROM Employee WHERE FIRST_NAME LIKE 'J___'
```

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
John	Abraham	1000000	2013-01-01	Banking

21

Showing rows 0 - 5 (6 total, Query took 0.0021 seconds.)

```sql
SELECT * FROM Employee WHERE SALARY > 600000
```

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
John	Abraham	1000000	2013-01-01	Banking
Michael	Clarke	800000	2013-01-01	Insurance
Roy	Thomas	700000	2013-02-01	Banking
Jerry	Pinto	650000	2013-02-01	Insurance
Philip	Mathew	750000	2013-01-01	Services
Towino	Thomas	650000	2013-02-01	Services

22

Showing rows 0 - 5 (6 total, Query took 0.0012 seconds.)

```sql
SELECT * FROM Employee WHERE SALARY < 800000
```

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this tab

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
Roy	Thomas	700000	2013-02-01	Banking
Tom	Jose	600000	2013-02-01	Insurance
Jerry	Pinto	650000	2013-02-01	Insurance
Philip	Mathew	750000	2013-01-01	Services
Towino	Thomas	650000	2013-02-01	Services
Leffin	Jose	600000	2013-02-01	Insurance

23

Showing rows 0 - 6 (7 total, Query took 0.0015 seconds.)

SELECT * FROM Employee WHERE SALARY BETWEEN 500000 AND 800000

Show all | Number of rows: 25 ∨   Filter rows: Search this table

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
Michael	Clarke	800000	2013-01-01	Insurance
Roy	Thomas	700000	2013-02-01	Banking
Tom	Jose	600000	2013-02-01	Insurance
Jerry	Pinto	650000	2013-02-01	Insurance
Philip	Mathew	750000	2013-01-01	Services
Towino	Thomas	650000	2013-02-01	Services
Leffin	Jose	600000	2013-02-01	Insurance

24

Showing rows 0 - 1 (2 total, Query took 0.0011 seconds.)

SELECT * FROM Employee WHERE FIRST_NAME IN ('John', 'Michael')

Show all | Number of rows: 25 ∨   Filter rows: Search this table

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
John	Abraham	1000000	2013-01-01	Banking
Michael	Clarke	800000	2013-01-01	Insurance

25

Showing rows 0 - 7 (8 total, Query took 0.0019 seconds.)

SELECT * FROM Employee WHERE YEAR(JOINING_DATE) = 2013

Show all | Number of rows: 25 ∨   Filter rows: Search this table

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
John	Abraham	1000000	2013-01-01	Banking
Michael	Clarke	800000	2013-01-01	Insurance
Roy	Thomas	700000	2013-02-01	Banking
Tom	Jose	600000	2013-02-01	Insurance
Jerry	Pinto	650000	2013-02-01	Insurance
Philip	Mathew	750000	2013-01-01	Services
Towino	Thomas	650000	2013-02-01	Services
Leffin	Jose	600000	2013-02-01	Insurance

26

Showing rows 0 - 2 (3 total, Query took 0.0029 seconds.)

```sql
SELECT * FROM Employee WHERE MONTHNAME(JOINING_DATE) = 'January'
```

☐ Show all | Number of rows: 25 ✓ Filter rows: Search this table

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
John	Abraham	1000000	2013-01-01	Banking
Michael	Clarke	800000	2013-01-01	Insurance
Philip	Mathew	750000	2013-01-01	Services

27

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0011 seconds.)

```sql
SELECT * FROM Employee WHERE JOINING_DATE < '2013-01-01'
```

First_Name	Last_Name	Salary	Joining_Date	Department

Query results operations

Create view

28

Showing rows 0 - 4 (5 total, Query took 0.0016 seconds.)

```sql
SELECT * FROM Employee WHERE JOINING_DATE > '2013-01-31'
```

☐ Show all | Number of rows: 25 ✓ Filter rows: Search this table

+ Options

First_Name	Last_Name	Salary	Joining_Date	Department
Roy	Thomas	700000	2013-02-01	Banking
Tom	Jose	600000	2013-02-01	Insurance
Jerry	Pinto	650000	2013-02-01	Insurance
Towino	Thomas	650000	2013-02-01	Services
Leffin	Jose	600000	2013-02-01	Insurance

29

Showing rows 0 - 7 (8 total, Query took 0.0013 second:

`SELECT JOINING_DATE FROM Employee`

☐ Show all | Number of rows: [25 ▼]   Filter

+ Options

JOINING_DATE
2013-01-01
2013-01-01
2013-02-01
2013-02-01
2013-02-01
2013-01-01
2013-02-01
2013-02-01

30

Showing rows 0 - 7 (8 total, Query took 0.0015 seconds.)

`SELECT CAST(JOINING_DATE AS DATETIME(3)) FROM Employee`

☐ Show all | Number of rows: [25 ▼]   Filter rows: [Search this ta

+ Options

CAST(JOINING_DATE AS DATETIME(3))
2013-01-01 00:00:00.000
2013-01-01 00:00:00.000
2013-02-01 00:00:00.000
2013-02-01 00:00:00.000
2013-02-01 00:00:00.000
2013-01-01 00:00:00.000
2013-02-01 00:00:00.000
2013-02-01 00:00:00.000

31

+ Options

Difference_Days
165
181
190
216
242
318
322

33

+ Options
CURRENT_DATE()
2025-01-09

☐ Show all | Number of rows:

34

FIRST_NAME **LAST_NAME**

Query results operations

🖼 Create view

35

+ Options
Modified_Last_Name
Abraham
Clarke
Thomas
Jose
Pinto
Mathew
Thomas
Jose

☐ Show all | Number of rows: 25 ⌄ Filter

36

+ Options

←T→			DEPARTMENT	Avg_Salary ▲ 1
☐ 🖊 Edit ᴣ Copy ⊖ Delete			Insurance	662500.0000
☐ 🖊 Edit ᴣ Copy ⊖ Delete			Services	700000.0000
☐ 🖊 Edit ᴣ Copy ⊖ Delete			Banking	850000.0000

↑ ☐ Check all *With selected:* 🖊 Edit ᴣ Copy ⊖ Delete

37

	DEPARTMENT	Max_Salary ▲ 1
☐ 🖊 Edit ⊞ Copy ⊖ Delete	Services	750000
☐ 🖊 Edit ⊞ Copy ⊖ Delete	Insurance	800000
☐ 🖊 Edit ⊞ Copy ⊖ Delete	Banking	1000000

+ Options

↑ ☐ Check all   With selected: 🖊 Edit   ⊞ Copy   ⊖ Delete

38

+ Options

	DEPARTMENT	Min_Salary ▲ 1
☐ 🖊 Edit ⊞ Copy ⊖ Delete	Insurance	600000
☐ 🖊 Edit ⊞ Copy ⊖ Delete	Services	650000
☐ 🖊 Edit ⊞ Copy ⊖ Delete	Banking	700000

39

+ Options

Joining_Year	Joining_Month	Total_Employees
2013	1	3
2013	2	5

☐ Show all | Number of rows: 25 ∨   Filter rows:

40

+ Options

	DEPARTMENT	Total_Salary ▽ 1
☐ 🖊 Edit ⊞ Copy ⊖ Delete	Insurance	2650000
☐ 🖊 Edit ⊞ Copy ⊖ Delete	Banking	1700000
☐ 🖊 Edit ⊞ Copy ⊖ Delete	Services	1400000

↑ ☐ Check all   With selected: 🖊 Edit   ⊞ Copy   ⊖ Delete   📰 Export

41

+ Options

FIRST_NAME	INCENTIVE_AMOUNT
John	5000.00
Michael	4000.00
Roy	4500.00
Tom	3000.00
Jerry	6000.00
Philip	3500.00
Towino	2500.00
Leffin	2000.00

42

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this

+ Options

FIRST_NAME	INCENTIVE_AMOUNT
John	5000.00
Michael	4000.00
Roy	4500.00
Jerry	6000.00
Philip	3500.00

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this

43

+ Options

FIRST_NAME	INCENTIVE_AMOUNT
John	5000.00
Michael	4000.00
Roy	4500.00
Tom	3000.00
Jerry	6000.00
Philip	3500.00
Towino	2500.00
Leffin	2000.00

44

+ Options

FIRST_NAME	INCENTIVE_AMOUNT
John	5000.00
Michael	4000.00
Roy	4500.00
Tom	3000.00
Jerry	6000.00
Philip	3500.00
Towino	2500.00
Leffin	2000.00

45

FIRST_NAME	INCENTIVE_AMOUNT
Jerry	6000.00

46

FIRST_NAME	INCENTIVE_AMOUNT
John	5000.00
Michael	4000.00
Roy	4500.00
Tom	3000.00
Jerry	6000.00
Philip	3500.00
Towino	2500.00
Leffin	2000.00

47

FIRST_NAME	INCENTIVE_AMOUNT
Jerry	6000.00

48

Show all | Number of rows: 25 ∨

Second_Highest_Salary
800000

49

NAME
John
Michael
Roy
Tom
Jerry
Philip
Towino
Leffin
Abraham
Clarke
Thomas
Jose
Pinto
Mathew

50

First_Name	Last_Name	Salary	Joining_Date	Department	Employee_ID
John	Abraham	1000000	2013-01-01	Banking	1
Michael	Clarke	800000	2013-01-01	Insurance	2
Roy	Thomas	700000	2013-02-01	Banking	3
Tom	Jose	600000	2013-02-01	Insurance	4
Jerry	Pinto	650000	2013-02-01	Insurance	5
Philip	Mathew	750000	2013-01-01	Services	6
Towino	Thomas	650000	2013-02-01	Services	7
Leffin	Jose	600000	2013-02-01	Insurance	8

51

FIRST_NAME	Custom_Salary
John	200000.00
Michael	120000.00
Roy	70000.00
Tom	90000.00
Jerry	97500.00
Philip	112500.00
Towino	97500.00
Leffin	90000.00

52

DEPARTMENT	Renamed_Dept
Banking	Bank Dept
Insurance	Insurance Dept
Banking	Bank Dept
Insurance	Insurance Dept
Insurance	Insurance Dept
Services	Services Dept
Services	Services Dept
Insurance	Insurance Dept

53

Show query box

✔ 8 rows affected. (Query took 0.0081 seconds.)

-- Step 1: Delete rows from the Incentives table DELETE FROM Incentives WHERE Employee_ID IN (SELECT Employee_ID FROM Employee)

✔ 8 rows affected. (Query took 0.0047 seconds.)

-- Step 2: Delete rows from the Employee table DELETE FROM Employee WHERE Employee_ID IN (SELECT Employee_ID FROM Employee)

54

First_Name	Last_Name	Salary	Joining_Date	Department	Employee_ID
John	O'Reilly	700000	2023-01-01	Banking	9

elected: 🖊 Edit   📋 Copy   ⊘ Delete   📊 Export

55

Incentive_ID	Employee_ID	INCENTIVE_DATE	INCENTIVE_AMOUNT
12	9	2023-01-01	4000.00