MONGO DB

Assignment-1

```
Name: P CHARAN RAGAVENDRA
                                                                    Reg No: 21BCE1932
Creating Table and Inserting records:
CREATE DATABASE ORG1;
SHOW DATABASES;
USE ORG1;
CREATE TABLE Worker (
WORKER ID INT NOT NULL PRIMARY KEY AUTO INCREMENT,
FIRST NAME CHAR(25),
LAST NAME CHAR(25),
SALARY INT(15),
JOINING_DATE DATETIME,
DEPARTMENT CHAR(25)
);
INSERT INTO Worker
(WORKER ID, FIRST NAME, LAST NAME, SALARY, JOINING DATE,
DEPARTMENT) VALUES
(001, 'Monika', 'Arora', 100000, '14-02-20
09.00.00', 'HR'),
(002, 'Niharika', 'Verma', 80000, '14-06-11
09.00.00', 'Admin'),
(003, 'Vishal', 'Singhal', 300000, '14-02-20
09.00.00', 'HR'),
(004, 'Amitabh', 'Singh', 500000, '14-02-20
09.00.00', 'Admin'),
(005, 'Vivek', 'Bhati', 500000, '14-06-11
09.00.00', 'Admin'),
(006, 'Vipul', 'Diwan', 200000, '14-06-11
09.00.00', 'Account'),
(007, 'Satish', 'Kumar', 75000, '14-01-20
09.00.00', 'Account'),
```

```
(008, 'Geetika', 'Chauhan', 90000, '14-04-11
09.00.00', 'Admin');
CREATE TABLE Bonus (
WORKER REF ID INT,
BONUS_AMOUNT INT(10),
BONUS_DATE DATETIME,
FOREIGN KEY (WORKER_REF_ID)
REFERENCES Worker(WORKER ID)
ON DELETE CASCADE
);
INSERT INTO Bonus
(WORKER REF ID, BONUS_AMOUNT, BONUS_DATE) VALUES
(001, 5000, '16-02-20'),
(002, 3000, '16-06-11'),
(003, 4000, '16-02-20'),
(001, 4500, '16-02-20'),
(002, 3500, '16-06-11');
CREATE TABLE Title (
WORKER REF ID INT,
WORKER TITLE CHAR(25),
AFFECTED FROM DATETIME,
FOREIGN KEY (WORKER_REF_ID)
REFERENCES Worker(WORKER ID)
ON DELETE CASCADE
);
INSERT INTO Title
(WORKER REF ID, WORKER TITLE, AFFECTED FROM) VALUES
(001, 'Manager', '2016-02-20 00:00:00'),
(002, 'Executive', '2016-06-11 00:00:00'),
(008, 'Executive', '2016-06-11 00:00:00'),
(005, 'Manager', '2016-06-11 00:00:00'),
```

```
(004, 'Asst. Manager', '2016-06-11 00:00:00'),
(007, 'Executive', '2016-06-11 00:00:00'),
(006, 'Lead', '2016-06-11 00:00:00'),
(003, 'Lead', '2016-06-11 00:00:00');
```

ALTER TABLE Workers RENAME TO Workers;

Questions:

1) SELECT FIRST NAME AS WORKER NAME FROM Worker;

2) SELECT UPPER(FIRST NAME) FROM Worker;

3) SELECT DISTINCT DEPARTMENT FROM Worker;

4) SELECT SUBSTRING(FIRST NAME, 1, 3) FROM Worker;

5) SELECT POSITION('a' IN FIRST_NAME) FROM Worker WHERE FIRST_NAME = 'Amitabh';

6) SELECT RTRIM(FIRST NAME) FROM Worker;

7) SELECT LTRIM(DEPARTMENT) FROM Worker;

8) SELECT DISTINCT DEPARTMENT, LENGTH(DEPARTMENT) AS LengthOfDepartment FROM Worker;

9) SELECT REPLACE(FIRST NAME, 'a', 'A') FROM Worker;

10) SELECT CONCAT(FIRST_NAME, ' ', LAST_NAME) AS COMPLETE_NAME FROM Worker;

11) SELECT * FROM Worker ORDER BY FIRST NAME ASC;

WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
4	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
8	Geetika	Chauhan	90000	2014-04-11 09:00:00	Admin
1	Monika	Arora	100000	2014-02-20 09:00:00	HR
2	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
7	Satish	Kumar	75000	2014-01-20 09:00:00	Account
6	Vipul	Diwan	200000	2014-06-11 09:00:00	Account
3	Vishal	Singhal	300000	2014-02-20 09:00:00	HR
5	Vivek	Bhati	500000	2014-06-11 09:00:00	Admin

12) SELECT * FROM Worker ORDER BY FIRST NAME ASC, DEPARTMENT DESC;

```
mysql> SELECT * FROM Worker ORDER BY FIRST_NAME ASC, DEPARTMENT DESC;
  WORKER_ID | FIRST_NAME | LAST_NAME | SALARY | JOINING_DATE
                                                                                            DEPARTMENT
       | Singh | 500000 | 2014-02-20 09:00:00 |
| Chauhan | 90000 | 2014-04-11 09:00:00 |
| Arora | 100000 | 2014-02-20 09:00:00 |
| Verma | 80000 | 2014-06-11 09:00:00 |
| Kumar | 75000 | 2014-01-20 09:00:00 |
| Diwan | 200000 | 2014-06-11 09:00:00 |
| Singhal | 300000 | 2014-02-20 09:00:00 |
            4 | Amitabh
                                                                                              Admin
             8 | Geetika
                                                                                              Admin
             1 | Monika
                                                                                              HR
             2
                  Niharika
                                                                                              Admin
                                                     75000 | 2014-01-20 09:00:00 | Account
                  Satish
                  Vipul
                                                                                              Account
                  Vishal
                                                  | 500000 | 2014-06-11 09:00:00 | Admin
                                 Bhati
             5
                 Vivek
 rows in set (0.00 sec)
```

13) SELECT * FROM Worker WHERE FIRST_NAME IN ('Vipul', 'Satish');

14) SELECT * FROM Worker WHERE FIRST NAME NOT IN ('Vipul', 'Satish');

```
mysql> SELECT * FROM Worker WHERE FIRST_NAME NOT IN ('Vipul', 'Satish');
 WORKER_ID | FIRST_NAME | LAST_NAME | SALARY | JOINING_DATE
                                                                      DEPARTMENT
             Monika
                           Arora
                                       100000
                                                2014-02-20 09:00:00
                                                                       HR
             Niharika
                                       80000
                                                2014-06-11 09:00:00
                                                                       Admin
                           Verma
                                       300000
                                                2014-02-20 09:00:00
             Vishal
                           Singhal
                                                                       HR
         4
             Amitabh
                           Singh
                                       500000
                                                2014-02-20 09:00:00
                                                                       Admin
             Vivek
                           Bhati
                                       500000
                                                2014-06-11 09:00:00
                                                                       Admin
             Geetika
                           Chauhan
                                        90000
                                                2014-04-11 09:00:00
                                                                      Admin
 rows in set (0.00 sec)
```

15) SELECT * FROM Worker WHERE DEPARTMENT = 'Admin';

```
nysql> SELECT * FROM Worker WHERE DEPARTMENT = 'Admin';
 WORKER_ID | FIRST_NAME | LAST_NAME | SALARY | JOINING_DATE
                                                                      DEPARTMENT
                                        80000
             Niharika
                                                2014-06-11 09:00:00
                          Verma
                                                                      Admin
         4
             Amitabh
                                       500000
                                                2014-02-20 09:00:00
                          Singh
                                                                      Admin
             Vivek
                          Bhati
                                       500000
                                                2014-06-11 09:00:00
                                                                      Admin
         8 |
             Geetika
                          Chauhan
                                        90000
                                                2014-04-11 09:00:00
                                                                      Admin
rows in set (0.00 sec)
```

16) SELECT * FROM Worker WHERE FIRST NAME LIKE '%a%';

mysql> SELECT * FROM Worker WHERE FIRST_NAME LIKE '%a%';					
			:		DEPARTMENT
1 2 3 4 7 8	Monika Niharika Vishal Amitabh Satish Geetika	Arora Verma Singhal Singh Kumar Chauhan	100000 80000 300000 500000 75000	2014-02-20 09:00:00 2014-06-11 09:00:00 2014-02-20 09:00:00 2014-02-20 09:00:00 2014-01-20 09:00:00 2014-04-11 09:00:00	HR Admin HR Admin Account Admin
6 rows in set			+	+	++

17) SELECT * FROM Worker WHERE FIRST NAME LIKE '%a';

```
mysql> SELECT * FROM Worker WHERE FIRST NAME LIKE '%a';
 WORKER_ID | FIRST_NAME | LAST_NAME | SALARY | JOINING_DATE
                                                                 DEPARTMENT
         1 Monika
                       Arora
                                  100000
                                            2014-02-20 09:00:00
                                    80000
            Niharika
                        Verma
                                            2014-06-11 09:00:00
                                                                 Admin
                       | Chauhan | 90000 |
         8
            Geetika
                                            2014-04-11 09:00:00
                                                                 Admin
3 rows in set (0.00 sec)
```

18) SELECT * FROM Worker WHERE FIRST NAME LIKE ' h';

```
mysql> SELECT * FROM Worker WHERE FIRST_NAME LIKE '____h';

| WORKER_ID | FIRST_NAME | LAST_NAME | SALARY | JOINING_DATE | DEPARTMENT |

| 7 | Satish | Kumar | 75000 | 2014-01-20 09:00:00 | Account |

1 row in set (0.00 sec)
```

19) SELECT * FROM Worker WHERE SALARY BETWEEN 100000 AND 500000;

```
mysql> SELECT * FROM Worker WHERE SALARY BETWEEN 100000 AND 500000;
 WORKER_ID | FIRST_NAME | LAST_NAME | SALARY | JOINING_DATE
                                                                DEPARTMENT
                                  | 100000 | 2014-02-20 09:00:00 | HR
        1 Monika
                        Arora
            Vishal
                         Singhal
                                  | 300000 | 2014-02-20 09:00:00 | HR
                         Singh
                                             2014-02-20 09:00:00 | Admin
            Amitabh
                                    500000
            Vivek
                         Bhati
                                    500000
                                             2014-06-11 09:00:00 | Admin
          Vipul
                       Diwan
                                    200000 | 2014-06-11 09:00:00 | Account
 rows in set (0.09 sec)
```

20) SELECT * FROM Worker WHERE JOINING_DATE BETWEEN '2014-02-01' AND '2014-02-28';

21) SELECT COUNT(*) FROM Worker WHERE DEPARTMENT = 'Admin';

22) SELECT FIRST_NAME FROM Worker WHERE SALARY BETWEEN 50000 AND 100000;

23) SELECT DEPARTMENT, COUNT(*) AS 'Number of Workers' FROM Worker GROUP BY DEPARTMENT ORDER BY COUNT(*) DESC;

24) SELECT * FROM Worker, title WHERE worker title = 'Manager';

```
mysql> SELECT * FROM Worker, title WHERE worker_title = 'Manag
  WORKER ID | FIRST NAME | LAST NAME | SALARY | JOINING DATE
                                                                                                                      DEPARTMENT | WORKER REF ID | WORKER TITLE | AFFECTED FROM
                                                                                  2014-02-20 09:00:00
                       Monika
                                              Arora
                                                                   100000
                                                                                                                                                                           Manager
                                                                                                                                                                                                     2016-06-11 00:00:00
                       Monika
Niharika
                                             Arora
Verma
                                                                   100000
                                                                                  2014-02-20 09:00:00
2014-06-11 09:00:00
                                                                                                                                                                           Manager
Manager
                                                                                                                                                                                                     2016-02-20 00:00:00
2016-06-11 00:00:00
                                                                    80000
                                             Verma
Verma
Singhal
Singhal
Singh
Singh
Bhati
Bhati
                       Niharika
Vishal
Vishal
                                                                                                                                                                                                     2016-02-20 00:00:00
2016-06-11 00:00:00
2016-02-20 00:00:00
                                                                   80000
300000
                                                                                  2014-06-11 09:00:00
2014-02-20 09:00:00
                                                                                                                        Admin
HR
                                                                                                                                                                           Manager
Manager
                                                                                  2014-02-20 09:00:00
2014-02-20 09:00:00
                                                                   300000
                                                                                                                         HR
                                                                                                                                                                           Manager
                       Amitabh
Amitabh
                                                                   500000
500000
                                                                                                                                                                                                     2016-02-0 00:00:00
2016-02-0 00:00:00
2016-06-11 00:00:00
2016-06-11 00:00:00
2016-06-11 00:00:00
2016-06-11 00:00:00
2016-02-20 00:00:00
2016-02-20 00:00:00
2016-06-11 00:00:00
                                                                                                                                                                           Manager
Manager
                                                                                  2014-02-20 09:00:00
                                                                                                                         Admin
                                                                   500000
500000
                                                                                  2014-06-11 09:00:00
2014-06-11 09:00:00
                                                                                                                        Admin
Admin
                                                                                                                                                                           Manager
                                             Diwan
Diwan
                                                                   200000
                                                                                  2014-06-11 09:00:00
2014-06-11 09:00:00
                                                                                                                        Account
Account
                                                                                                                                                                           Manager
                                                                                  2014-01-20 09:00:00
2014-01-20 09:00:00
2014-04-11 09:00:00
                                                                    75000
75000
                                                                                                                        Account
Account
                                                                                                                                                                           Manager
Manager
Manager
                       Satish
                                              Kumar
                                              Kumar
Chauhan
                        Geetika
                                              Chauhan
                                                                                   2014-04-11 09:00:00
                                                                                                                                                                                                     2016-02-20 00:00:00
 l6 rows in set (0.10 sec)
```

25) SELECT FIRST_NAME, LAST_NAME, COUNT(*) FROM Worker GROUP BY FIRST NAME, LAST NAME HAVING COUNT(*) > 1;

```
mysql> SELECT FIRST_NAME, LAST_NAME, COUNT(*)
-> FROM Worker
-> GROUP BY FIRST_NAME, LAST_NAME
-> HAVING COUNT(*) > 1;
Empty set (0.09 sec)
```

26) SELECT * FROM Worker WHERE WORKER_ID % 2 != 0;

mysql> SELECT * FROM Wor	rker WHERE WOR	KER_ID % :	2 != 0; +	++
WORKER_ID FIRST_NAM	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
1 Monika 3 Vishal 5 Vivek 7 Satish	Arora Singhal Bhati Kumar	500000 75000	2014-02-20 09:00:00 2014-02-20 09:00:00 2014-06-11 09:00:00 2014-01-20 09:00:00	HR Admin Account
4 rows in set (0.09 sec)		+	*	*

27) SELECT * FROM Worker WHERE WORKER_ID % 2 = 0;

mysql> SELECT * FROM Worker WHERE WORKER_ID % 2 = 0;					
WORKER_ID FI				JOINING_DATE	DEPARTMENT
4 Ar 6 V:	iharika mitabh ipul eetika	Verma Singh Diwan Chauhan	80000 500000 200000 90000	2014-06-11 09:00:00 2014-02-20 09:00:00 2014-06-11 09:00:00 2014-04-11 09:00:00	Admin Admin Account Admin
4 rows in set (6					++

28) CREATE TABLE NewTable LIKE Worker;

```
mysql> CREATE TABLE NewTable LIKE Worker;
Query OK, 0 rows affected (0.17 sec)
mysql> Desc newtable
Field
               Type
                          | Null | Key | Default | Extra
 WORKER_ID
                                   PRI
                 int
                            NO
                                         NULL
                                                   auto_increment
 FIRST_NAME
                 char(25)
                            YES
                                         NULL
 LAST NAME
                 char(25)
                            YES
                                         NULL
 SALARY
                 int
                            YES
                                         NULL
                datetime
 JOINING_DATE
                            YES
                                         NULL
 DEPARTMENT
               char(25)
                                         NULL
 rows in set (0.12 sec)
```

29) SELECT w.* FROM Worker w INNER JOIN Bonus b ON w.WORKER_ID = b.WORKER_REF_ID;

```
mysql> SELECT w.* FROM Worker w INNER JOIN Bonus b ON w.WORKER_ID = b.WORKER_REF_ID;
 WORKER_ID | FIRST_NAME | LAST_NAME
                                    SALARY
                                               JOINING DATE
                                                                     DEPARTMENT
             Monika
                          Arora
                                       100000
                                                2014-02-20 09:00:00
                                                                      HR
         1
             Monika
                          Arora
                                       100000
                                                2014-02-20 09:00:00
                                                                      HR
         2
             Niharika
                          Verma
                                       80000
                                                2014-06-11 09:00:00
                                                                      Admin
             Niharika
                                       80000
                                                2014-06-11 09:00:00
                          Verma
                                                                      Admin
             Vishal
                                                2014-02-20 09:00:00
                                                                      HR
                          Singhal
                                       300000
 rows in set (0.02 sec)
```

30) SELECT * FROM Worker WHERE WORKER_ID NOT IN (SELECT WORKER_ID FROM Bonus);

```
mysql> SELECT * FROM Worker WHERE WORKER_ID NOT IN (SELECT WORKER_ID FROM Bonus);
Empty set (0.11 sec)
```

31) SELECT NOW();

32) SELECT * FROM Worker LIMIT 10;

```
mysql> SELECT * FROM Worker LIMIT 10;
 WORKER ID | FIRST NAME | LAST NAME | SALARY | JOINING DATE
                                                                   DEPARTMENT
         1
             Monika
                                     100000
                                              2014-02-20 09:00:00
                                                                   HR
                        Arora
                                     80000
         2
             Niharika
                                              2014-06-11 09:00:00
                                                                   Admin
                         Verma
             Vishal
                         Singhal
                                     300000
                                              2014-02-20 09:00:00
             Amitabh
                                              2014-02-20 09:00:00
         4
                         Singh
                                     500000
                                                                   Admin
             Vivek
                         Bhati
                                     500000
                                              2014-06-11 09:00:00
                                                                   Admin
         6
             Vipul
                         Diwan
                                     200000 | 2014-06-11 09:00:00 |
                                                                   Account
            Satish
                         Kumar
                                     75000
                                              2014-01-20 09:00:00
                                                                   Account
         8 | Geetika
                        Chauhan
                                      90000 | 2014-04-11 09:00:00 |
                                                                   Admin
8 rows in set (0.00 sec)
```

33) SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 1 OFFSET 4;

```
mysql> SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 1 OFFSET 4;

+-----+

| SALARY |

+-----+

| 90000 |

+----+

1 row in set (0.00 sec)
```

34) SELECT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 4, 1;

```
mysql> SELECT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 4, 1;
+-----+
| SALARY |
+-----+
| 100000 |
+-----+
1 row in set (0.00 sec)
```

35) SELECT * FROM Worker WHERE SALARY IN (SELECT SALARY FROM Worker GROUP BY SALARY HAVING COUNT(*) > 1);

36) SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 1 OFFSET 1;

```
mysql> SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 1 OFFSET 1;

+------+

| SALARY |

+------+

| 300000 |

+------+

1 row in set (0.00 sec)
```

37) SELECT * FROM Worker where worker_id=1 UNION ALL SELECT * FROM Worker where worker_id=1;

38) SELECT w.* FROM Worker w INNER JOIN Bonus b ON w.WORKER_ID = b.WORKER REF ID;

```
mysql> SELECT w.* FROM Worker w INNER JOIN Bonus b ON w.WORKER ID = b.WORKER REF ID;
 WORKER ID | FIRST NAME | LAST NAME | SALARY | JOINING DATE
                                                                  DEPARTMENT
         1 |
            Monika
                         Arora
                                     100000
                                              2014-02-20 09:00:00
                                                                   HR
         1
            Monika
                         Arora
                                     100000
                                              2014-02-20 09:00:00
                                                                   HR
         2
           Niharika
                         Verma
                                     80000 2014-06-11 09:00:00
                                                                    Admin
         2
           Niharika
                         Verma
                                      80000 | 2014-06-11 09:00:00
                                                                    Admin
         3 | Vishal
                                    | 300000 | 2014-02-20 09:00:00 | HR
                        Singhal
5 rows in set (0.00 sec)
```

39) SELECT * FROM Worker LIMIT 4;

```
mysql> SELECT * FROM Worker LIMIT 4
 WORKER_ID | FIRST_NAME | LAST_NAME | SALARY | JOINING_DATE
                                                                   DEPARTMENT
         1
             Monika
                          Arora
                                      100000
                                               2014-02-20 09:00:00
         2
             Niharika
                                       80000
                                               2014-06-11 09:00:00
                                                                     Admin
                          Verma
                                      300000
                                               2014-02-20 09:00:00
             Vishal
                          Singhal
         4 | Amitabh
                         Singh
                                      500000
                                               2014-02-20 09:00:00 | Admin
 rows in set (0.00 sec)
```

40) SELECT DEPARTMENT FROM Worker GROUP BY DEPARTMENT HAVING COUNT(*) < 5;

41) SELECT DEPARTMENT, COUNT(*) AS Num_of_Employees FROM Worker GROUP BY DEPARTMENT;

42) SELECT * FROM Worker ORDER BY WORKER_ID DESC LIMIT 1;

```
mysql> SELECT * FROM Worker ORDER BY WORKER_ID DESC LIMIT 1;
+-----+
| WORKER_ID | FIRST_NAME | LAST_NAME | SALARY | JOINING_DATE | DEPARTMENT |
+-----+
| 8 | Geetika | Chauhan | 90000 | 2014-04-11 09:00:00 | Admin |
+-----+
1 row in set (0.00 sec)
```

43) SELECT * FROM Worker LIMIT 1;

```
mysql> SELECT * FROM Worker LIMIT 1;

+-----+
| WORKER_ID | FIRST_NAME | LAST_NAME | SALARY | JOINING_DATE | DEPARTMENT |

+----+
| 1 | Monika | Arora | 100000 | 2014-02-20 09:00:00 | HR |

+----+
1 row in set (0.00 sec)
```

44) SELECT * FROM (SELECT * FROM Worker ORDER BY WORKER_ID DESC LIMIT 5) AS sub ORDER BY WORKER_ID ASC;

```
nysql> SELECT * FROM (SELECT * FROM Worker ORDER BY WORKER_ID DESC LIMIT 5) AS sub ORDER BY WORKER ID ASC;
 WORKER_ID | FIRST_NAME | LAST_NAME | SALARY | JOINING_DATE
                                                                      DEPARTMENT
                                       500000 | 2014-02-20 09:00:00 | Admin
         4
             Amitabh
                           Singh
                                        500000
             Vivek
                           Bhati
                                                 2014-06-11 09:00:00
                                                                       Admin
                                                 2014-06-11 09:00:00 | Account
2014-01-20 09:00:00 | Account
                                        200000
             Vipul
                           Diwan
              Satish
                           Kumar
                                         75000
                                                 2014-01-20 09:00:00
                                                                       Account
             Geetika
                          Chauhan
                                        90000 | 2014-04-11 09:00:00 | Admin
5 rows in set (0.04 sec)
```

45) SELECT FIRST_NAME, LAST_NAME FROM Worker WHERE (DEPARTMENT, SALARY) IN (SELECT DEPARTMENT, MAX(SALARY) FROM Worker GROUP BY DEPARTMENT);

46) SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 3;

```
mysql> SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 3;
+-----+
| SALARY |
+-----+
| 500000 |
| 300000 |
| 200000 |
+-----+
3 rows in set (0.00 sec)
```

47) SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY ASC LIMIT 3;

```
mysql> SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY ASC LIMIT 3;

+-----+

| SALARY |

+-----+

| 75000 |

| 80000 |

| 90000 |

+-----+

3 rows in set (0.00 sec)
```

48) SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 2, 1;

```
mysql> SELECT DISTINCT SALARY FROM Worker ORDER BY SALARY DESC LIMIT 2, 1;
+-----+
| SALARY |
+-----+
| 200000 |
+----+
1 row in set (0.00 sec)
```

49) SELECT DEPARTMENT, SUM(SALARY) AS Total_Salary FROM Worker GROUP BY DEPARTMENT;

50) SELECT FIRST_NAME, LAST_NAME FROM Worker WHERE SALARY = (SELECT MAX(SALARY) FROM Worker);