mysql> show tables;

+---------------+

| Tables\_in\_zoo |

+---------------+

| dummyemp |

| dummyemp1 |

| employee |

| feed |

| visitor |

| zoo |

+---------------+

6 rows in set (0.03 sec)

mysql> desc Employee;

+-------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------------+-------------+------+-----+---------+-------+

| ZooId | int | YES | MUL | NULL | |

| EmpID | int | NO | PRI | NULL | |

| Name | varchar(50) | YES | | NULL | |

| Designation | varchar(50) | YES | | NULL | |

| Hire\_Date | date | YES | | NULL | |

| Salary | int | YES | | NULL | |

| Status | varchar(40) | YES | | NULL | |

+-------------+-------------+------+-----+---------+-------+

7 rows in set (0.04 sec)

mysql> Select \* From Employee;

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

10 rows in set (0.02 sec)

mysql> INSERT INTO Employee values(2,8945,'Rex','Finance Manager',makedate(2008,32),1500,'On Duty');

Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO Employee values(2,7956,'Sarah','Cheif Operating Officer',makedate(2009,12),15000,'On Duty');

Query OK, 1 row affected (0.06 sec)

mysql> Insert into Employee values

-> (2,8979,'Anna','Aquarist',makedate(2010,67),45000,'On Duty'),

-> (2,8932,'Frank','Conservation Biologist',makedate(2020,344),100000,'On Duty'),

-> (2,3435,'Rick','Development Director',makedate(2015,244),95431,'On Duty');

Query OK, 3 rows affected (0.03 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from Employee;

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

15 rows in set (0.00 sec)

**mysql> #USE OF WHERE OPERATOR**

mysql>

mysql>

**mysql> #RELATIONAL OPERATORS**

**mysql> SELECT \* FROM EMPLOYEE WHERE ZooId=2;**

+-------+-------+---------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+---------+-------------------------+------------+--------+---------+

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+---------+-------------------------+------------+--------+---------+

7 rows in set (0.04 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary>100000;**

+-------+-------+--------+------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+------------------------+------------+--------+---------+

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

+-------+-------+--------+------------------------+------------+--------+---------+

2 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary>=100000;**

+-------+-------+--------+------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+------------------------+------------+--------+---------+

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

+-------+-------+--------+------------------------+------------+--------+---------+

3 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary<50000;**

+-------+-------+-------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+-------+-------------------------+------------+--------+---------+

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+-------+-------------------------+------------+--------+---------+

5 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary<=25000;**

+-------+-------+-------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+-------+-------------------------+------------+--------+---------+

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

+-------+-------+-------+-------------------------+------------+--------+---------+

4 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary<>25000;**

+-------+-------+--------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+-------------------------+------------+--------+---------+

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+--------+-------------------------+------------+--------+---------+

7 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary<>25000 AND Salary<>100000;**

+-------+-------+--------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+-------------------------+------------+--------+---------+

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+--------+-------------------------+------------+--------+---------+

6 rows in set (0.00 sec)

mysql>

**mysql> #NOT NULL**

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary IS NOT NULL;**

+-------+-------+--------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+-------------------------+------------+--------+---------+

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+--------+-------------------------+------------+--------+---------+

9 rows in set (0.00 sec)

**mysql> #NULL**

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary IS NULL;**

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

6 rows in set (0.00 sec)

**mysql> #AGGREGATE FUNCTIONS**

**mysql> #COUNT**

**mysql> SELECT COUNT(Salary) FROM EMPLOYEE;**

+---------------+

| COUNT(Salary) |

+---------------+

| 9 |

+---------------+

1 row in set (0.03 sec)

**mysql> SELECT COUNT(Salary) FROM EMPLOYEE WHERE Salary>100000;**

+---------------+

| COUNT(Salary) |

+---------------+

| 2 |

+---------------+

1 row in set (0.00 sec)

**mysql> SELECT COUNT(Salary) FROM EMPLOYEE WHERE Salary<>25000 AND Salary<> 100000;**

+---------------+

| COUNT(Salary) |

+---------------+

| 6 |

+---------------+

1 row in set (0.00 sec)

**mysql> #SUM**

**mysql> SELECT SUM(Salary) FROM EMPLOYEE;**

+-------------+

| SUM(Salary) |

+-------------+

| 681931 |

+-------------+

1 row in set (0.02 sec)

**mysql> SELECT SUM(Salary) FROM EMPLOYEE WHERE Salary>100000;**

+-------------+

| SUM(Salary) |

+-------------+

| 375000 |

+-------------+

1 row in set (0.00 sec)

**mysql> SELECT SUM(Salary) FROM EMPLOYEE WHERE Salary<>25000 AND Salary<> 100000;**

+-------------+

| SUM(Salary) |

+-------------+

| 531931 |

+-------------+

1 row in set (0.00 sec)

**mysql> #AVG**

**mysql> SELECT AVG(Salary) FROM EMPLOYEE;**

+-------------+

| AVG(Salary) |

+-------------+

| 75770.1111 |

+-------------+

1 row in set (0.00 sec)

**mysql> SELECT AVG(Salary) FROM EMPLOYEE WHERE Salary>100000;**

+-------------+

| AVG(Salary) |

+-------------+

| 187500.0000 |

+-------------+

1 row in set (0.00 sec)

**mysql> SELECT AVG(Salary) FROM EMPLOYEE WHERE Salary<>25000 AND Salary<> 100000;**

+-------------+

| AVG(Salary) |

+-------------+

| 88655.1667 |

+-------------+

1 row in set (0.00 sec)

**mysql> #MIN**

**mysql> SELECT MIN(Salary) FROM EMPLOYEE;**

+-------------+

| MIN(Salary) |

+-------------+

| 1500 |

+-------------+

1 row in set (0.03 sec)

**mysql> SELECT MIN(Salary) FROM EMPLOYEE WHERE Salary>100000;**

+-------------+

| MIN(Salary) |

+-------------+

| 125000 |

+-------------+

1 row in set (0.00 sec)

**mysql> SELECT MIN(Salary) FROM EMPLOYEE WHERE Salary<>25000 AND Salary<> 100000;**

+-------------+

| MIN(Salary) |

+-------------+

| 1500 |

+-------------+

1 row in set (0.00 sec)

**mysql> #MAX**

**mysql> SELECT MAX(Salary) FROM EMPLOYEE;**

+-------------+

| MAX(Salary) |

+-------------+

| 250000 |

+-------------+

1 row in set (0.00 sec)

**mysql> SELECT MAX(Salary) FROM EMPLOYEE WHERE Salary>100000;**

+-------------+

| MAX(Salary) |

+-------------+

| 250000 |

+-------------+

1 row in set (0.00 sec)

**mysql> SELECT MAX(Salary) FROM EMPLOYEE WHERE Salary<>25000 AND Salary<> 100000;**

+-------------+

| MAX(Salary) |

+-------------+

| 250000 |

+-------------+

1 row in set (0.00 sec)

**mysql> #IN COMMAND**

**mysql> SELECT \* FROM EMPLOYEE WHERE EmpId IN(4533,8979);**

+-------+-------+------+-------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+------+-------------+------------+--------+---------+

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+------+-------------+------------+--------+---------+

2 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE EmpId NOT IN(4533,8979);**

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

13 rows in set (0.00 sec)

**mysql> #BETWEEN COMMAND**

**mysql> SELECT \* FROM EMPLOYEE WHERE EmpId BETWEEN 5000 AND 7000 ;**

+-------+-------+---------+------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+---------+------------------------+------------+--------+---------+

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

+-------+-------+---------+------------------------+------------+--------+---------+

4 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE EmpId NOT BETWEEN 5000 AND 7000 ;**

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

11 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE EmpId NOT BETWEEN 5000 AND 7000 AND Salary IS NOT NULL ;**

+-------+-------+-------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+-------+-------------------------+------------+--------+---------+

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+-------+-------------------------+------------+--------+---------+

7 rows in set (0.04 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE EmpId NOT BETWEEN 5000 AND 7000 AND Salary IN(25000) ;**

+-------+-------+-------+-------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+-------+-------------+------------+--------+---------+

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

+-------+-------+-------+-------------+------------+--------+---------+

2 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE EmpId NOT BETWEEN 5000 AND 7000 OR Salary IN(250000) ;**

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

12 rows in set (0.00 sec)

**mysql> #EARLIER THERE WERE 11 ROWS BUT NOW 12 CUZ OF OR KEYWORD**

**mysql> #LIKE COMMANDS**

**mysql> SELECT \* FROM EMPLOYEE WHERE EmpId LIKE '8%';**

+-------+-------+--------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+-------------------------+------------+--------+---------+

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+--------+-------------------------+------------+--------+---------+

4 rows in set (0.04 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Designation LIKE 'c%r';**

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

2 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Name LIKE 'r\_\_';**

+-------+-------+------+-----------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+------+-----------------+------------+--------+---------+

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

+-------+-------+------+-----------------+------------+--------+---------+

2 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Name LIKE 'r\_\_%';**

+-------+-------+------+----------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+------+----------------------+------------+--------+---------+

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

+-------+-------+------+----------------------+------------+--------+---------+

3 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Name LIKE 'r\_\_\_%';**

+-------+-------+------+----------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+------+----------------------+------------+--------+---------+

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

+-------+-------+------+----------------------+------------+--------+---------+

1 row in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Name NOT LIKE 'r%';**

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

12 rows in set (0.04 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Name NOT LIKE 'r%' OR 'a%';**

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

12 rows in set, 1 warning (0.04 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Name NOT LIKE 'r%' OR Name NOT LIKE 'a%';**

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

15 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Name NOT LIKE 'r%' AND Name NOT LIKE 'a%';**

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

9 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Name NOT LIKE 'r%' AND Name NOT LIKE 'a%' AND Salary>100000;**

+-------+-------+--------+------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+------------------------+------------+--------+---------+

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

+-------+-------+--------+------------------------+------------+--------+---------+

2 rows in set (0.00 sec)

**mysql> #ALIASES**

**mysql> SELECT Name AS Employee\_Name,Designation AS Department FROM Employee;**

+---------------+-------------------------+

| Employee\_Name | Department |

+---------------+-------------------------+

| Alex | Veterinarian |

| Aiden | Zookeeper |

| Rick | Development Director |

| Ray | Zookeeper |

| Josefine | Chief Operating Officer |

| Norine | Curator of Exhibits |

| Stella | Conservation Biologist |

| Bianca | Aquarist |

| Val | Finance Manager |

| Mitchel | Veterinarian |

| Sarah | Cheif Operating Officer |

| Frank | Conservation Biologist |

| Rex | Finance Manager |

| Samual | Curator of Horticulture |

| Anna | Aquarist |

+---------------+-------------------------+

15 rows in set (0.00 sec)

**mysql> SELECT Name AS Employee\_Name,Designation AS Department FROM Employee WHERE Salary>=100000;**

+---------------+------------------------+

| Employee\_Name | Department |

+---------------+------------------------+

| Stella | Conservation Biologist |

| Bianca | Aquarist |

| Frank | Conservation Biologist |

+---------------+------------------------+

3 rows in set (0.00 sec)

**mysql> SELECT Name AS Employee\_Name,Designation AS Department FROM Employee WHERE Salary IS NOT NULL;**

+---------------+-------------------------+

| Employee\_Name | Department |

+---------------+-------------------------+

| Aiden | Zookeeper |

| Rick | Development Director |

| Ray | Zookeeper |

| Stella | Conservation Biologist |

| Bianca | Aquarist |

| Sarah | Cheif Operating Officer |

| Frank | Conservation Biologist |

| Rex | Finance Manager |

| Anna | Aquarist |

+---------------+-------------------------+

9 rows in set (0.00 sec)

**mysql> SELECT Name AS Employee\_Name,Designation AS Department FROM Employee WHERE Salary IS NULL;**

+---------------+-------------------------+

| Employee\_Name | Department |

+---------------+-------------------------+

| Alex | Veterinarian |

| Josefine | Chief Operating Officer |

| Norine | Curator of Exhibits |

| Val | Finance Manager |

| Mitchel | Veterinarian |

| Samual | Curator of Horticulture |

+---------------+-------------------------+

6 rows in set (0.00 sec)

**mysql> #AND-OR-NOT**

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary<100000 OR EmpId>7000;**

+-------+-------+--------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+-------------------------+------------+--------+---------+

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+--------+-------------------------+------------+--------+---------+

8 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary!=2500 OR EmpId>7000;**

+-------+-------+--------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+-------------------------+------------+--------+---------+

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+--------+-------------------------+------------+--------+---------+

10 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary!=2500 OR EmpId<7000;**

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

14 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary!=2500 AND EmpId>7000;**

+-------+-------+-------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+-------+-------------------------+------------+--------+---------+

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+-------+-------------------------+------------+--------+---------+

4 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE Salary!=2500 AND NOT EmpId>7000;**

+-------+-------+--------+------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+------------------------+------------+--------+---------+

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

+-------+-------+--------+------------------------+------------+--------+---------+

5 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE NOT Designation='Zookeeper';**

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

13 rows in set (0.00 sec)

**mysql> SELECT \* FROM EMPLOYEE WHERE NOT Designation='Zookeeper' AND NOT Salary IS NULL ;**

+-------+-------+--------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+-------------------------+------------+--------+---------+

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+--------+-------------------------+------------+--------+---------+

7 rows in set (0.00 sec)

**mysql> #UPDATE**

mysql> SELECT \* FROM EMPLOYEE;

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

15 rows in set (0.00 sec)

mysql> SELECT \* FROM EMPLOYEE WHERE Designation='Veterinarian' ;

+-------+-------+---------+--------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+---------+--------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | NULL | On Duty |

+-------+-------+---------+--------------+------------+--------+---------+

2 rows in set (0.00 sec)

**mysql> UPDATE EMPLOYEE SET Salary=85000 WHERE Designation='Veterinarian';**

Query OK, 2 rows affected (0.04 sec)

Rows matched: 2 Changed: 2 Warnings: 0

mysql> SELECT \* FROM EMPLOYEE WHERE Designation='Veterinarian' ;

+-------+-------+---------+--------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+---------+--------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | 85000 | On Duty |

+-------+-------+---------+--------------+------------+--------+---------+

2 rows in set (0.02 sec)

mysql> SELECT \* FROM EMPLOYEE WHERE Salary<20000 ;

+-------+-------+-------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+-------+-------------------------+------------+--------+---------+

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 15000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 1500 | On Duty |

+-------+-------+-------+-------------------------+------------+--------+---------+

2 rows in set (0.00 sec)

**mysql> UPDATE EMPLOYEE SET Salary=30000 WHERE Salary<20000;**

Query OK, 2 rows affected (0.03 sec)

Rows matched: 2 Changed: 2 Warnings: 0

mysql> SELECT \* FROM EMPLOYEE WHERE Salary<20000 ;

Empty set (0.00 sec)

mysql> SELECT \* FROM EMPLOYEE WHERE Salary=30000 ;

+-------+-------+-------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+-------+-------------------------+------------+--------+---------+

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 30000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 30000 | On Duty |

+-------+-------+-------+-------------------------+------------+--------+---------+

2 rows in set (0.00 sec)

mysql> SELECT \* FROM EMPLOYEE WHERE Salary BETWEEN 100000 AND 250000 ;

+-------+-------+--------+------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+------------------------+------------+--------+---------+

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | On Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | On Duty |

+-------+-------+--------+------------------------+------------+--------+---------+

3 rows in set (0.00 sec)

**mysql> UPDATE EMPLOYEE SET Status='Off Duty' WHERE Salary BETWEEN 100000 AND 250000;**

Query OK, 3 rows affected (0.03 sec)

Rows matched: 3 Changed: 3 Warnings: 0

mysql> SELECT \* FROM EMPLOYEE WHERE Salary BETWEEN 100000 AND 250000 ;

+-------+-------+--------+------------------------+------------+--------+----------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+--------+------------------------+------------+--------+----------+

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | Off Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | Off Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | Off Duty |

+-------+-------+--------+------------------------+------------+--------+----------+

3 rows in set (0.03 sec)

mysql> SELECT \* FROM EMPLOYEE WHERE Hire\_Date IN(2004-06-04) ;

Empty set, 1 warning (0.01 sec)

mysql> SELECT \* FROM EMPLOYEE WHERE Hire\_Date IN('2004-06-04') ;

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | NULL | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

1 row in set (0.03 sec)

**mysql> UPDATE EMPLOYEE SET Salary=35000 WHERE Hire\_Date IN('2004-06-04');**

Query OK, 1 row affected (0.04 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT \* FROM EMPLOYEE WHERE Hire\_Date IN('2004-06-04') ;

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | 35000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

1 row in set (0.00 sec)

**mysql> #CREATED DUPLICATE OF EMPLOYEE TO DROP DATA**

mysql> create table delemp as select \* from employee;

Query OK, 15 rows affected (0.07 sec)

Records: 15 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM DELEMP;

+-------+-------+----------+-------------------------+------------+--------+----------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+----------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | 35000 | On Duty |

| 1 | 4862 | Norine | Curator of Exhibits | 2010-08-12 | NULL | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | Off Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | Off Duty |

| 1 | 6432 | Val | Finance Manager | 2011-10-13 | NULL | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | 85000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 30000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | Off Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 30000 | On Duty |

| 1 | 8975 | Samual | Curator of Horticulture | 2010-07-01 | NULL | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+----------+

15 rows in set (0.00 sec)

**mysql> #DELETE**

**mysql> DELETE FROM DELEMP WHERE Salary IS NULL;**

Query OK, 3 rows affected (0.04 sec)

mysql> SELECT \* FROM DELEMP;

+-------+-------+----------+-------------------------+------------+--------+----------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+----------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty |

| 2 | 3242 | Aiden | Zookeeper | 2011-10-13 | 25000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4533 | Ray | Zookeeper | 2019-05-07 | 25000 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | 35000 | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | Off Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | Off Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | 85000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 30000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | Off Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 30000 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+----------+

12 rows in set (0.03 sec)

**mysql> DELETE FROM DELEMP WHERE Salary<30000;**

Query OK, 2 rows affected (0.01 sec)

mysql> SELECT \* FROM DELEMP;

+-------+-------+----------+-------------------------+------------+--------+----------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+----------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | 35000 | On Duty |

| 1 | 5446 | Stella | Conservation Biologist | 2016-03-09 | 250000 | Off Duty |

| 1 | 5642 | Bianca | Aquarist | 2018-11-15 | 125000 | Off Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | 85000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 30000 | On Duty |

| 2 | 8932 | Frank | Conservation Biologist | 2020-12-09 | 100000 | Off Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 30000 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+----------+

10 rows in set (0.00 sec)

**mysql> DELETE FROM DELEMP WHERE Status IN('Off Duty');**

Query OK, 3 rows affected (0.04 sec)

mysql> SELECT \* FROM DELEMP;

+-------+-------+----------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+----------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty |

| 2 | 3435 | Rick | Development Director | 2015-09-01 | 95431 | On Duty |

| 1 | 4643 | Josefine | Chief Operating Officer | 2004-06-04 | 35000 | On Duty |

| 2 | 6512 | Mitchel | Veterinarian | 2009-10-27 | 85000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 30000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 30000 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+----------+-------------------------+------------+--------+---------+

7 rows in set (0.00 sec)

**mysql> DELETE FROM DELEMP WHERE EmpId BETWEEN 3000 AND 7000;**

Query OK, 3 rows affected (0.04 sec)

mysql> SELECT \* FROM DELEMP;

+-------+-------+-------+-------------------------+------------+--------+---------+

| ZooId | EmpID | Name | Designation | Hire\_Date | Salary | Status |

+-------+-------+-------+-------------------------+------------+--------+---------+

| 1 | 1001 | Alex | Veterinarian | 2020-04-01 | 85000 | On Duty |

| 2 | 7956 | Sarah | Cheif Operating Officer | 2009-01-12 | 30000 | On Duty |

| 2 | 8945 | Rex | Finance Manager | 2008-02-01 | 30000 | On Duty |

| 2 | 8979 | Anna | Aquarist | 2010-03-08 | 45000 | On Duty |

+-------+-------+-------+-------------------------+------------+--------+---------+

4 rows in set (0.00 sec)

**mysql> NOTEE;**