**Creating table in employees details.**

mysql> create table employees\_details(Empid int(5),EmpName varchar(100),DeptNumber varchar(10),designation char(50),HireDate date,Basicpay double(10,2),PF int(5),DA int(5),HRA int(5),Totalsalary double(10,2));

Query OK, 0 rows affected, 6 warnings (0.14 sec)

mysql> desc employees\_details;

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

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

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

| Empid | int | YES | | NULL | |

| EmpName | varchar(100) | YES | | NULL | |

| DeptNumber | varchar(10) | YES | | NULL | |

| designation | char(50) | YES | | NULL | |

| HireDate | date | YES | | NULL | |

| Basicpay | double(10,2) | YES | | NULL | |

| PF | int | YES | | NULL | |

| DA | int | YES | | NULL | |

| HRA | int | YES | | NULL | |

| Totalsalary | double(10,2) | YES | | NULL | |

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

10 rows in set (0.04 sec)

**Insert the values.**

mysql> insert into employees\_details values(101,"ramkumar","fbd123","Full-stack-developer","2023-02-23",15000.56,1200,400,1500,50000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into employees\_details values(102,"Subash","wd123","web-developer","2023-06-30",20000.00,1000,200,1500,60000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into employees\_details values(103,"Rolex","qw123","web-design","2023-12-31",10000.67,1000,100,2000,35000);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employees\_details values(104,"ajith","aws1233","aws","2023-09-03",20000.00,25000,2000,5000,100000);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employees\_details values(105,"praveen","salea321","Saleman","2023-08-21",8000.00,2500,1500,500,15000);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employees\_details values(106,"rajgj","cl1256","CLERK","2022-08-21",15000.00,2500,1500,500,15000);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employees\_details values(107,"rajesh","an344","ANALYST","2021-08-21",15000.00,400,2000,1000,20000);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employees\_details values(108,"rajthiraja","ab123","testing","2021-05-23",12000.00,800,1500,500,22000);

Query OK, 1 row affected (0.00 sec)

**1.** mysql> select \* from employees\_details where Empid>1980-06-30 or Empid<1980-12-31;

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

| Empid | EmpName | DeptNumber | designation | HireDate | Basicpay | PF | DA | HRA | Totalsalary |

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

| 101 | ramkumar | fbd123 | Full-stack-developer | 2023-02-23 | 15000.56 | 1200 | 400 | 1500 | 50000.00 |

| 102 | Subash | wd123 | web-developer | 2023-06-30 | 20000.00 | 1000 | 200 | 1500 | 60000.00 |

| 103 | Rolex | qw123 | web-design | 2023-12-31 | 10000.67 | 1000 | 100 | 2000 | 35000.00 |

| 104 | ajith | aws1233 | aws | 2023-09-03 | 20000.00 | 25000 | 2000 | 5000 | 100000.00 |

| 105 | praveen | salea321 | Saleman | 2023-08-21 | 8000.00 | 2500 | 1500 | 500 | 15000.00 |

| 106 | rajgj | cl1256 | CLERK | 2022-08-21 | 15000.00 | 2500 | 1500 | 500 | 15000.00 |

| 107 | rajesh | an344 | ANALYST | 2021-08-21 | 15000.00 | 400 | 2000 | 1000 | 20000.00 |

| 108 | rajthiraja | ab123 | testing | 2021-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

| 109 | kumar | ab123 | testing | 1971-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

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

9 rows in set (0.00 sec)

**2.** mysql> select \* from employees\_details;

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

| Empid | EmpName | DeptNumber | designation | HireDate | Basicpay | PF | DA | HRA | Totalsalary |

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

| 101 | ramkumar | fbd123 | Full-stack-developer | 2023-02-23 | 15000.56 | 1200 | 400 | 1500 | 50000.00 |

| 102 | Subash | wd123 | web-developer | 2023-06-30 | 20000.00 | 1000 | 200 | 1500 | 60000.00 |

| 103 | Rolex | qw123 | web-design | 2023-12-31 | 10000.67 | 1000 | 100 | 2000 | 35000.00 |

| 104 | ajith | aws1233 | aws | 2023-09-03 | 20000.00 | 25000 | 2000 | 5000 | 100000.00 |

| 105 | praveen | salea321 | Saleman | 2023-08-21 | 8000.00 | 2500 | 1500 | 500 | 15000.00 |

| 106 | rajgj | cl1256 | CLERK | 2022-08-21 | 15000.00 | 2500 | 1500 | 500 | 15000.00 |

| 107 | rajesh | an344 | ANALYST | 2021-08-21 | 15000.00 | 400 | 2000 | 1000 | 20000.00 |

| 108 | rajthiraja | ab123 | testing | 2021-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

| 109 | kumar | ab123 | testing | 1971-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

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

9 rows in set (0.04 sec)

mysql>

**3.** mysql> select \* from employees\_details where DeptNumber=10 or 20 and designation = "CLERK" or "Saleman" or "ANALYST";

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

| Empid | EmpName | DeptNumber | designation | HireDate | Basicpay | PF | DA | HRA | Totalsalary |

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

| 105 | praveen | 10 | Saleman | 2023-08-21 | 8000.00 | 2500 | 1500 | 500 | 15000.00 |

| 106 | rajgj | 10 | CLERK | 2022-08-21 | 15000.00 | 2500 | 1500 | 500 | 15000.00 |

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

2 rows in set, 2 warnings (0.00 sec)

**4.** mysql> select \* from employees\_details where EmpName like "S%";

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

| Empid | EmpName | DeptNumber | designation | HireDate | Basicpay | PF | DA | HRA | Totalsalary |

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

| 102 | Subash | 25 | web-developer | 2023-06-30 | 20000.00 | 1000 | 200 | 1500 | 60000.00 |

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

1 row in set (0.01 sec)

mysql>

**5.**

mysql> select \* from employees\_details where EmpName like "%n";

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

| Empid | EmpName | DeptNumber | designation | HireDate | Basicpay | PF | DA | HRA | Totalsalary |

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

| 105 | praveen | 10 | Saleman | 2023-08-21 | 8000.00 | 2500 | 1500 | 500 | 15000.00 |

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

1 row in set (0.00 sec)

mysql>

**6.** mysql> select \* from employees\_details where EmpName like "\_a%";

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

| Empid | EmpName | DeptNumber | designation | HireDate | Basicpay | PF | DA | HRA | Totalsalary |

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

| 101 | ramkumar | 30 | Full-stack-developer | 2023-02-23 | 15000.56 | 1200 | 400 | 1500 | 50000.00 |

| 106 | rajgj | 10 | CLERK | 2022-08-21 | 15000.00 | 2500 | 1500 | 500 | 15000.00 |

| 107 | rajesh | 20 | ANALYST | 2021-08-21 | 15000.00 | 400 | 2000 | 1000 | 20000.00 |

| 108 | rajthiraja | 22 | testing | 2021-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

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

4 rows in set (0.00 sec)

mysql>

**7.** mysql> select EmpName from employees\_details;

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

| EmpName |

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

| ramkumar |

| Subash |

| Rolex |

| ajith |

| praveen |

| rajgj |

| rajesh |

| rajthiraja |

| kumar |

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

9 rows in set (0.00 sec)

mysql>

**8.** mysql> select distinct designation from employees\_details;

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

| designation |

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

| Full-stack-developer |

| web-developer |

| web-design |

| aws |

| Saleman |

| CLERK |

| ANALYST |

| testing |

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

8 rows in set (0.01 sec)

mysql>

**9**. mysql> select \* from employees\_details where designation not in ("Saleman","CLERK","ANALYST");

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

| Empid | EmpName | DeptNumber | designation | HireDate | Basicpay | PF | DA | HRA | Totalsalary |

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

| 101 | ramkumar | 30 | Full-stack-developer | 2023-02-23 | 15000.56 | 1200 | 400 | 1500 | 50000.00 |

| 102 | Subash | 25 | web-developer | 2023-06-30 | 20000.00 | 1000 | 200 | 1500 | 60000.00 |

| 103 | Rolex | 15 | web-design | 2023-12-31 | 10000.67 | 1000 | 100 | 2000 | 35000.00 |

| 104 | ajith | 19 | aws | 2023-09-03 | 20000.00 | 25000 | 2000 | 5000 | 100000.00 |

| 108 | rajthiraja | 22 | testing | 2021-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

| 109 | kumar | 16 | testing | 1971-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

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

6 rows in set (0.00 sec)

mysql>

**10.** mysql> select \* from employees\_details order by Totalsalary desc;

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

| Empid | EmpName | DeptNumber | designation | HireDate | Basicpay | PF | DA | HRA | Totalsalary |

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

| 104 | ajith | 19 | aws | 2023-09-03 | 20000.00 | 25000 | 2000 | 5000 | 100000.00 |

| 102 | Subash | 25 | web-developer | 2023-06-30 | 20000.00 | 1000 | 200 | 1500 | 60000.00 |

| 101 | ramkumar | 30 | Full-stack-developer | 2023-02-23 | 15000.56 | 1200 | 400 | 1500 | 50000.00 |

| 103 | Rolex | 15 | web-design | 2023-12-31 | 10000.67 | 1000 | 100 | 2000 | 35000.00 |

| 108 | rajthiraja | 22 | testing | 2021-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

| 109 | kumar | 16 | testing | 1971-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

| 107 | rajesh | 20 | ANALYST | 2021-08-21 | 15000.00 | 400 | 2000 | 1000 | 20000.00 |

| 105 | praveen | 10 | Saleman | 2023-08-21 | 8000.00 | 2500 | 1500 | 500 | 15000.00 |

| 106 | rajgj | 10 | CLERK | 2022-08-21 | 15000.00 | 2500 | 1500 | 500 | 15000.00 |

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

9 rows in set (0.00 sec)

**11.** mysql> select EmpName,Totalsalary\*15/100 from employees\_details;

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

| EmpName | Totalsalary\*15/100 |

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

| ramkumar | 7500.000000 |

| Subash | 9000.000000 |

| Rolex | 5250.000000 |

| ajith | 15000.000000 |

| praveen | 2250.000000 |

| rajgj | 2250.000000 |

| rajesh | 3000.000000 |

| rajthiraja | 3300.000000 |

| kumar | 3300.000000 |

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

9 rows in set (0.01 sec)

mysql>

**12.** mysql> insert into employees\_details values(110,"ramLLkumar",70,"CEO","2000-07-26",25000.00,2500,1000,4500,100000.00);

Query OK, 1 row affected (0.01 sec)

mysql> select EmpName from employees\_details where EmpName like "%ll%";

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

| EmpName |

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

| ramLLkumar |

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

1 row in set (0.00 sec)

mysql>

**13.** mysql> select EmpName from employees\_details where EmpName like "\_\_\_a%";

+---------+

| EmpName |

+---------+

| Subash |

| kumar |

+---------+

2 rows in set (0.00 sec)

mysql>

**14.** mysql> select EmpName,designation,Totalsalary from employees\_details where PF between 2000 and 3000;

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

| EmpName | designation | Totalsalary |

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

| praveen | Saleman | 15000.00 |

| rajgj | CLERK | 15000.00 |

| ramLLkumar | CEO | 100000.00 |

| ramLLkumar | CEO | 100000.00 |

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

4 rows in set (0.00 sec)

mysql>

**15.** mysql> select Empid,EmpName,designation,HireDate from employees\_details where not designation="Manager";

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

| Empid | EmpName | designation | HireDate |

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

| 101 | ramkumar | Full-stack-developer | 2023-02-23 |

| 102 | Subash | web-developer | 2023-06-30 |

| 103 | Rolex | web-design | 2023-12-31 |

| 104 | ajith | aws | 2023-09-03 |

| 105 | praveen | Saleman | 2023-08-21 |

| 106 | rajgj | CLERK | 2022-08-21 |

| 107 | rajesh | ANALYST | 2021-08-21 |

| 108 | rajthiraja | testing | 2021-05-23 |

| 109 | kumar | testing | 1971-05-23 |

| 110 | ramLLkumar | CEO | 2000-07-21 |

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

10 rows in set (0.00 sec)

mysql>

**16.** mysql> select EmpName,HireDate from employees\_details where HireDate not like "1980%";

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

| EmpName | HireDate |

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

| ramkumar | 2023-02-23 |

| Subash | 2023-06-30 |

| Rolex | 2023-12-31 |

| ajith | 2023-09-03 |

| praveen | 2023-08-21 |

| rajgj | 2022-08-21 |

| rajesh | 2021-08-21 |

| rajthiraja | 2021-05-23 |

| kumar | 1971-05-23 |

| ramLLkumar | 2000-07-21 |

| NandhaKumar | 1999-12-26 |

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

11 rows in set (0.00 sec)

mysql>

**18.** mysql> select EmpName,HireDate from employees\_details where HireDate between "1981-01-01" and "1981-12-12";

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

| EmpName | HireDate |

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

| deepa | 1981-02-26 |

| deepankumar | 1981-07-23 |

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

2 rows in set (0.00 sec)

mysql>

**18.** **m**ysql> select EmpName,HireDate from employees\_details where HireDate between "1981-01-01" and "1981-06-12";

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

| EmpName | HireDate |

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

| deepa | 1981-02-26 |

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

1 rows in set (0.00 sec)

mysql>

**19.** mysql> select \* from employees\_details;

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

| Empid | EmpName | DeptNumber | designation | HireDate | Basicpay | PF | DA | HRA | Totalsalary |

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

| 101 | ramkumar | 30 | Full-stack-developer | 2023-02-23 | 15000.56 | 1200 | 400 | 1500 | 50000.00 |

| 102 | Subash | 25 | web-developer | 2023-06-30 | 20000.00 | 1000 | 200 | 1500 | 60000.00 |

| 103 | Rolex | 15 | web-design | 2023-12-31 | 10000.67 | 1000 | 100 | 2000 | 35000.00 |

| 104 | ajith | 19 | aws | 2023-09-03 | 20000.00 | 25000 | 2000 | 5000 | 100000.00 |

| 105 | praveen | 10 | Saleman | 2023-08-21 | 8000.00 | 2500 | 1500 | 500 | 15000.00 |

| 106 | rajgj | 10 | CLERK | 2022-08-21 | 15000.00 | 2500 | 1500 | 500 | 15000.00 |

| 107 | rajesh | 20 | ANALYST | 2021-08-21 | 15000.00 | 400 | 2000 | 1000 | 20000.00 |

| 108 | rajthiraja | 22 | testing | 2021-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

| 109 | kumar | 16 | testing | 1971-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

| 110 | ramLLkumar | 70 | CEO | 2000-07-21 | 1000.00 | 2500 | 1000 | 4500 | 100000.00 |

| 111 | NandhaKumar | 33 | Manager | 1999-12-26 | 1000.00 | 200 | 300 | 800 | 25000.00 |

| 112 | deepa | 70 | CEO-1 | 1981-02-26 | 1000.00 | 2500 | 1000 | 4500 | 100000.00 |

| 113 | deepankumar | 70 | CEO-2 | 1981-07-23 | 1000.00 | 2500 | 1000 | 4500 | 100000.00 |

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

13 rows in set (0.00 sec)

mysql>

**20**. mysql> select \* from employees\_details where HireDate like "%-05-%";

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

| Empid | EmpName | DeptNumber | designation | HireDate | Basicpay | PF | DA | HRA | Totalsalary |

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

| 108 | rajthiraja | 22 | testing | 2021-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

| 109 | kumar | 16 | testing | 1971-05-23 | 12000.00 | 800 | 1500 | 500 | 22000.00 |

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

2 rows in set (0.00 sec)