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 | 1981-04-23 | 1000.00 | 2500 | 1000 | 4500 | 100000.00 |

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

13 rows in set (0.00 sec)

mysql>

**1.** mysql> select count(EmpName) from employees\_details;

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

| count(EmpName) |

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

| 13 |

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

1 row in set (0.01 sec)

mysql>

**2.** mysql> select sum(Totalsalary) from employees\_details;

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

| sum(Totalsalary) |

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

| 664000.00 |

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

1 row in set (0.00 sec)

mysql>

**3.** mysql> select max(Totalsalary) from employees\_details;

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

| max(Totalsalary) |

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

| 100000.00 |

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

1 row in set (0.00 sec)

mysql>

**4.** mysql> select min(HireDate) from employees\_details;

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

| min(HireDate) |

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

| 1971-05-23 |

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

1 row in set (0.00 sec)

mysql>

**5.** mysql> select avg(Totalsalary) from employees\_details;

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

| avg(Totalsalary) |

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

| 51076.923077 |

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

1 row in set (0.00 sec)

mysql> select round(avg(Totalsalary),2) from employees\_details;

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

| round(avg(Totalsalary),2) |

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

| 51076.92 |

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

1 row in set (0.01 sec)

mysql>

**6.** mysql> select max(Totalsalary) from employees\_details where designation ='CLERK';

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

| max(Totalsalary) |

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

| 15000.00 |

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

1 row in set (0.01 sec)

mysql>

**7.** mysql> select max(Totalsalary) from employees\_details where DeptNumber = 20;

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

| max(Totalsalary) |

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

| 20000.00 |

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

1 row in set (0.00 sec)

mysql>

**8.** mysql> select min(Totalsalary) from employees\_details where designation="Saleman";

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

| min(Totalsalary) |

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

| 15000.00 |

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

1 row in set (0.00 sec)

mysql>

**9.** mysql> select max(Totalsalary) from employees\_details where designation="Manager";

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

| max(Totalsalary) |

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

| 100000.00 |

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

1 row in set (0.00 sec)

mysql>

**10.** mysql> select sum(Totalsalary) from employees\_details where designation ="ANALYST" and DeptNumber = 20;

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

| sum(Totalsalary) |

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

| 20000.00 |

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

1 row in set (0.00 sec)

mysql>

**11.** mysql> select DeptNumber,count(empid) from employees\_details group by DeptNumber;

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

| DeptNumber | count(empid) |

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

| 30 | 1 |

| 25 | 1 |

| 15 | 1 |

| 19 | 1 |

| 10 | 2 |

| 20 | 1 |

| 22 | 1 |

| 16 | 1 |

| 70 | 3 |

| 33 | 1 |

| 21 | 2 |

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

11 rows in set (0.00 sec)

mysql>

**12.** mysql> select designation, count(designation) from employees\_details group by designation;

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

| designation | count(designation) |

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

| Full-stack-developer | 1 |

| web-developer | 1 |

| web-design | 1 |

| aws | 1 |

| Saleman | 2 |

| CLERK | 1 |

| ANALYST | 1 |

| testing | 2 |

| CEO | 1 |

| Manager | 2 |

| CEO-1 | 1 |

| CEO-2 | 1 |

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

12 rows in set (0.00 sec)

**13.** mysql> select DeptNumber,sum(Totalsalary) from employees\_details group by DeptNumber;

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

| DeptNumber | sum(Totalsalary) |

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

| 30 | 50000.00 |

| 25 | 60000.00 |

| 15 | 35000.00 |

| 19 | 100000.00 |

| 10 | 30000.00 |

| 20 | 20000.00 |

| 22 | 22000.00 |

| 16 | 22000.00 |

| 70 | 300000.00 |

| 33 | 25000.00 |

| 21 | 200000.00 |

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

11 rows in set (0.00 sec)

mysql>

**14.** mysql> select DeptNumber,max(Totalsalary) from employees\_details group by DeptNumber;

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

| DeptNumber | max(Totalsalary) |

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

| 30 | 50000.00 |

| 25 | 60000.00 |

| 15 | 35000.00 |

| 19 | 100000.00 |

| 10 | 15000.00 |

| 20 | 20000.00 |

| 22 | 22000.00 |

| 16 | 22000.00 |

| 70 | 100000.00 |

| 33 | 25000.00 |

| 21 | 100000.00 |

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

11 rows in set (0.00 sec)

**15**. mysql> select designation, sum(Totalsalary) from employees\_details group by designation;

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

| designation | sum(Totalsalary) |

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

| Full-stack-developer | 50000.00 |

| web-developer | 60000.00 |

| web-design | 35000.00 |

| aws | 100000.00 |

| Saleman | 115000.00 |

| CLERK | 15000.00 |

| ANALYST | 20000.00 |

| testing | 44000.00 |

| CEO | 100000.00 |

| Manager | 125000.00 |

| CEO-1 | 100000.00 |

| CEO-2 | 100000.00 |

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

12 rows in set (0.00 sec)

mysql>

**16.** mysql> select designation,min(Totalsalary) from employees\_details group by designation;

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

| designation | min(Totalsalary) |

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

| Full-stack-developer | 50000.00 |

| web-developer | 60000.00 |

| web-design | 35000.00 |

| aws | 100000.00 |

| Saleman | 15000.00 |

| CLERK | 15000.00 |

| ANALYST | 20000.00 |

| testing | 22000.00 |

| CEO | 100000.00 |

| Manager | 25000.00 |

| CEO-1 | 100000.00 |

| CEO-2 | 100000.00 |

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

12 rows in set (0.00 sec)

mysql>

**17.** mysql> select DeptNumber,count(DeptNumber) from employees\_details group by DeptNumber having count(\*)>3;

Empty set (0.00 sec)

**18.** select designation,sum(Basicpay) from employees\_details group by designation having sum(Basicpay)>2500;

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

| designation | sum(Basicpay) |

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

| Full-stack-developer | 15000.56 |

| web-developer | 20000.00 |

| web-design | 10000.67 |

| aws | 20000.00 |

| Saleman | 19000.00 |

| CLERK | 15000.00 |

| ANALYST | 15000.00 |

| testing | 24000.00 |

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

8 rows in set (0.01 sec)

mysql>

**19.** mysql> select designation,count(DeptNumber) from employees\_details group by designation having count(designation)>3;

Empty set (0.00 sec)

mysql> select designation,count(Empid) from employees\_details group by designation having count(designation)>3;

Empty set (0.00 sec)

mysql>