

```
MariaDB [Riwaz_08_MYcompany]> select employee.ename,dependents.dname from employee,dependents where employee.SSN=dependents.SSN;
```

ename	dname
Babu	Dev
Sara	Gayatri
Macho	Ram
Deric	sita
Guru	Dependent2
Raju	Dependent1
Sara	Dependent4
Manju	Dependent5
Hari	Dependent3

```
9 rows in set (0.001 sec)
```

```
MariaDB [Riwaz_08_MYcompany]> select employee.ename,dependents.dname from employee,dependents where employee.SSN=dependents.SSN order by dependents.dname;
```

ename	dname
Raju	Dependent1
Guru	Dependent2
Hari	Dependent3
Sara	Dependent4
Manju	Dependent5
Babu	Dev
Sara	Gayatri
Macho	Ram
Deric	sita

```
9 rows in set (0.001 sec)
```

```
MariaDB [Riwaz_08_MYcompany]> select employee.ename,project.pname from employee join works_on ON Employee.SSN=Works_on.ESSN join project ON Works_on.Pno=project.pnumber;
```

ename	pname
Deric	Project Black
Sara	Project white
Babu	Ram
Macho	Johney
Raju	Project Purple

5 rows in set (0.001 sec)

```
MariaDB [Riwaz_08_MYcompany]> select employee.ename,employee.salary,pf.amount from employee INNER JOIN PF ON Employee.SSN=PF.SSN and Employee.Salary>PF.Amount;
```

ename	salary	amount
Deric	20000.00	10000.00
Babu	36000.00	20000.00
Macho	200000.00	50000.00
Sara	30300.00	12000.00
Manju	35000.00	14000.00
John Doe	50000.00	11000.00

```
6 rows in set (0.004 sec)
```

```

MariaDB [Riwaz_08_MYcompany]> select * from office LEFT JOIN Project using (Onumber) ;
+-----+-----+-----+-----+-----+-----+
| Onumber | Oname          | Country | Pname          | Pnumber | Proj_location |
+-----+-----+-----+-----+-----+-----+
| 1       | Deric_Office_08 | India   | Riwaz_ProjBCA  | 16       | Kathmandu     |
| 2       | Debra          | England | Dan            | 32       | England       |
| 3       | Riwaz_NTC_08   | Nepal   | Ram           | 3        | Lalitpur       |
| 4       | John           | USA     | Johnney        | 4        | USA           |
| 5       | RAM            | India   | Sam            | 15       | Mumbai        |
| 6       | Headquarters   | USA     | Project white  | 2        | Toronto       |
| 7       | Branch Office A | Canada  | Project Purple | 5        | London        |
| 8       | Branch Office B | UK      | Project Black  | 1        | New York      |
| 9       | Regional Office | Germany | Project Brown  | 6        | Berlin        |
| 10      | Satellite Office | France  | Project Zebra  | 7        | Paris         |
+-----+-----+-----+-----+-----+-----+
10 rows in set (0.008 sec)

MariaDB [Riwaz_08_MYcompany]> select * from office RIGHT JOIN Project using (Onumber) ;
+-----+-----+-----+-----+-----+-----+
| Onumber | Pname          | Pnumber | Proj_location | Oname          | Country |
+-----+-----+-----+-----+-----+-----+
| 8       | Project Black  | 1       | New York     | Branch Office B | UK      |
| 6       | Project white  | 2       | Toronto     | Headquarters    | USA     |
| 3       | Ram           | 3       | Lalitpur    | Riwaz_NTC_08    | Nepal   |
| 4       | Johnney       | 4       | USA         | John            | USA     |
| 7       | Project Purple | 5       | London      | Branch Office A | Canada  |
| 9       | Project Brown | 6       | Berlin      | Regional Office | Germany |
| 10      | Project Zebra | 7       | Paris       | Satellite Office | France  |
| 5       | Sam           | 15      | Mumbai      | RAM             | India   |
| 1       | Riwaz_ProjBCA | 16      | Kathmandu   | Deric_Office_08 | India   |
| 2       | Dan           | 32      | England     | Debra           | England |
+-----+-----+-----+-----+-----+-----+
10 rows in set (0.000 sec)

```

```
MariaDB [Riwaz_08_MYcompany]> select ename,salary,pfid,remarks from employee CROSS JOIN PF where employee.SSN=PF.SSN;
```

ename	salary	pfid	remarks
Deric	20000.00	1	Remarks-1
Sara	50000.00	2	Remarks-2
Babu	36000.00	3	NULL
Macho	200000.00	4	Remarks-4
Raju	25000.00	5	Remarks-5
Guru	30000.00	6	NULL
Hari	20000.00	7	NULL
Sara	30300.00	8	Remarks-8
Manju	35000.00	9	Remarks-9
John Doe	50000.00	10	Remarks-10

```
10 rows in set (0.001 sec)
```

```
MariaDB [Riwaz_08_MYcompany]> select * from employee NATURAL JOIN PF;
```

SSN	Ename	Gender	Bdate	Address	Salary	Ono	Year_of_experience	Matrilal_status	PFID	PFCategoeryName	Amount	Start_date	Remarks
8	Deric	M	2003-05-12	Bharatpur	20000.00	4	1	Married	1	Category-1	10000.00	2024-01-19	Remarks-1
33	Sara	F	2001-03-02	Spain	50000.00	6	4	NULL	2	Category-2	200000.00	2024-01-29	Remarks-2
34	Babu	M	2002-05-12	India	36000.00	8	2	Single	3	Category-3	20000.00	2024-02-07	NULL
35	Macho	M	2000-04-18	Australia	200000.00	9	5	NULL	4	Category-4	50000.00	2024-02-14	Remarks-4
36	Raju	M	2000-05-19	Baneshwor	25000.00	15	4	Divorced	5	Category-5	39200.00	2024-02-16	Remarks-5
37	Guru	M	1990-10-10	Lalitpur	30000.00	15	5	NULL	6	Category-6	230000.00	2024-02-17	NULL
38	Hari	M	2008-08-24	Balkumari	20000.00	18	4	Married	7	Category-7	100000.00	2024-02-25	NULL
39	Sara	F	2001-04-19	Koteshwor	30300.00	14	2	NULL	8	Category-2	12000.00	2024-02-28	Remarks-8
40	Manju	F	2006-05-09	Tinkune	35000.00	13	3	Married	9	Category-4	14000.00	2024-03-09	Remarks-9
41	John Doe	M	1990-01-01	BHaktapur	50000.00	1	5	NULL	10	Category-3	11000.00	2024-03-10	Remarks-10

```
10 rows in set (0.000 sec)
```

```
MariaDB [Riwaz_08_MYcompany]> select matrial_status,COUNT(*)NUMBER from employee group by Matrial_status;
```

matrial_status	NUMBER
NULL	5
Divorced	1
Married	3
Single	1

```
4 rows in set (0.000 sec)
```



```
MariaDB [Riwaz_08_MYcompany]> select matrial_status,count(*)Number from employee where Matrial_status IN('Married','Single')GROUP BY Matrial_status;
```

matrial_status	Number
Married	3
Single	1

```
2 rows in set (0.000 sec)
```

```
MariaDB [Riwaz_08_MYcompany]> select pname,proj_location from project where Onumber in(select Onumber from Office where country in('Nepal','India'));
```

pname	proj_location
Ram	Lalitpur
Sam	Mumbai
Riwaz_ProjBCA	Kathmandu

```
3 rows in set (0.001 sec)
```

```
MariaDB [Riwaz_08_MYcompany]> select ename, gender from (select * from employee where salary>20000) as temp_emp;
```

Ename	Gender
Sara	F
Babu	M
Macho	M
Raju	M
Guru	M
Sara	F
Manju	F
John Doe	M

```
8 rows in set (0.001 sec)
```

```

Riwaz Niroula
Thread 1: 0
  Thread 1: 1
  Thread 1: 2
  Thread 1: 3
  Thread 1: 4
  Thread 2: A
Thread 2: B
Thread 2: C
Thread 2: D
Thread 2: E

Saving session...
...copying shared history...
...saving history...truncating history files...
...completed.

[Process completed]

```

Multithreading

```

Riwaz Niroula
Enter the number of preocess:3
Enter the burst timeprocess 1:
Burst time2
Process      burst time      waiting      turnaround time
1            2            1            3
69975372    906428417      0            906428417
2            0            -3           -3

Average Waiting Time:: -0.666667
Average turnaround Time:: 302142805.666667process 2:
Burst time3
Process      burst time      waiting      turnaround time
1            2            1            3
2            3            0            3
2            0            -3           -3

Average Waiting Time:: -0.666667
Average turnaround Time:: 1.000000process 3:
Burst time4
Process      burst time      waiting      turnaround time
1            2            1            3
2            3            0            3
3            4            -3            1

Average Waiting Time:: -0.666667
Average turnaround Time:: 2.333333
Saving session...
...copying shared history...
...saving history...truncating history files...
...completed.

[Process completed]

```

FCFS