```
-----cross join-----
select *
from book_master,staff_master;

---inner join-----
select *
```

t Output × | Query Result ×

SQL | Fetched 50 rows in 0.004 seconds

| BOOK_CODE | BOOK_NAME | BOOK_PUB_YEAR | BOOK_PUB_AUTHOR | STAFF_CODE | STAFF_NAME | DESIGN_CODE | DEPT_CODE | STAFF_DOB | HI |
|---|---|---|---|---|---|---|---|---|---|
| 10000001 | Let Us C++ | 2000 | Yashavant Kanetkar | 100001 | Arvind | 102 | 30 | 15-01-80 | 15-I |
| 10000002 | Mastersing VC++ | 2005 | P.J Allen | 100001 | Arvind | 102 | 30 | 15-01-80 | 15-I |
| 10000003 | JAVA Complete Reference | 2004 | H.Schild | 100001 | Arvind | 102 | 30 | 15-01-80 | 15-I |
| 10000004 | J2EE Complete Reference | 2000 | H. Schild | 100001 | Arvind | 102 | 30 | 15-01-80 | 15-I |
| 10000005 | Relational DBMS | 2000 | B.C. Desai | 100001 | Arvind | 102 | 30 | 15-01-80 | 15-I |
| 10000006 | Let Us C | 2000 | Yashavant Kanetkar | 100001 | Arvind | 102 | 30 | 15-01-80 | 15-I |
| 10000007 | Intoduction To Algorithams | 2001 | Cormen | 100001 | Arvind | 102 | 30 | 15-01-80 | 15-I |
| 10000008 | Computer Networks | 2000 | Tanenbaum | 100001 | Arvind | 102 | 30 | 15-01-80 | 15-I |
| 10000009 | Introduction to O/S | 2001 | Millan | 100001 | Arvind | 102 | 30 | 15-01-80 | 15-I |

```
---inner join-----
select staff_sal,staff_name
from staff_master,designation_master
where staff_master.design_code=designation_master.design_code;
```

t Output × | Query Result ×

SQL | All Rows Fetched: 10 in 0.002 seconds

| STAFF_SAL | STAFF_NAME |
|---|---|
| 17000 | Arvind |
| 20000 | Shyam |
| 24000 | Mohan |
| 20000 | Anil |
| 32000 | John |
| 42000 | Allen |
| 62000 | Smith |
| 18000 | Raviraj |
| 22000 | Rahul |
| 32000 | Ram |

```
----outer join-----left outer join-------------------------------------
select *
from staff_master,designation_master
where staff_master.design_code=designation_master.design_code(+);
```

pt Output × Query Result ×

SQL | All Rows Fetched: 10 in 0.002 seconds

| | STAFF_SAL | STAFF_NAME |
|---|---|---|
| 1 | 17000 | Arvind |
| 2 | 20000 | Shyam |
| 3 | 24000 | Mohan |
| 4 | 20000 | Anil |
| 5 | 32000 | John |
| 6 | 42000 | Allen |
| 7 | 62000 | Smith |
| 8 | 18000 | Raviraj |
| 9 | 22000 | Rahul |
| 10 | 32000 | Ram |

```
-------right outer join--------------------

select staff_name,staff_code,staff_sal,staff_address
from staff_master,designation_master
where staff_master.design_code(+)=designation_master.design_code;

select staff_name,staff_master.design_code  from
```

Script Output × Query Result ×

SQL | All Rows Fetched: 13 in 0.003 seconds

| | STAFF_NAME | STAFF_CODE | STAFF_SAL | STAFF_ADDRESS |
|---|---|---|---|---|
| 1 | Arvind | 100001 | 17000 | Bangalore |
| 2 | Shyam | 100002 | 20000 | Chennai |
| 3 | Mohan | 100003 | 24000 | Mumbai |
| 4 | Anil | 100004 | 20000 | Hyderabad |
| 5 | John | 100005 | 32000 | Bangalore |
| 6 | Allen | 100006 | 42000 | Chennai |
| 7 | Smith | 100007 | 62000 | Mumbai |
| 8 | Raviraj | 100008 | 18000 | Bangalore |
| 9 | Rahul | 100009 | 22000 | Hyderabad |
| 10 | Ram | 100010 | 32000 | Bangalore |

```
------full outer join------
select staff_name,staff_master.design_code  from
staff_master full outer join designation_master on
staff_master.design_code=designation_master.design_code;

select * from designation_master;
```

Script Output | Query Result

SQL | All Rows Fetched: 13 in 0.002 seconds

| | STAFF_NAME | DESIGN_CODE |
|---|---|---|
| 1 | Arvind | 102 |
| 2 | Shyam | 102 |
| 3 | Mohan | 102 |
| 4 | Anil | 102 |
| 5 | John | 106 |
| 6 | Allen | 103 |
| 7 | Smith | 103 |
| 8 | Raviraj | 102 |
| 9 | Rahul | 102 |
| 10 | Ram | 103 |

```
----self join------
select staff_name,design_name
from staff_master,designation_master
where staff_master.design_code=designation_master.design_code;
```

Script Output | Query Result

SQL | All Rows Fetched: 10 in 0.002 seconds

| | STAFF_NAME | DESIGN_NAME |
|---|---|---|
| 1 | Arvind | Professor |
| 2 | Shyam | Professor |
| 3 | Mohan | Professor |
| 4 | Anil | Professor |
| 5 | John | Director |
| 6 | Allen | Reader |
| 7 | Smith | Reader |
| 8 | Raviraj | Professor |
| 9 | Rahul | Professor |
| 10 | Ram | Reader |

```
----self join------
select staff_name,staff_master.design_code
from staff_master,designation_master
where staff_master.design_code=designation_master.design_code;
```

Script Output | Query Result

SQL | All Rows Fetched: 10 in 0.003 seconds

| | STAFF_NAME | DESIGN_CODE |
|---|---|---|
| 1 | Arvind | 102 |
| 2 | Shyam | 102 |
| 3 | Mohan | 102 |
| 4 | Anil | 102 |
| 5 | John | 106 |
| 6 | Allen | 103 |
| 7 | Smith | 103 |
| 8 | Raviraj | 102 |
| 9 | Rahul | 102 |
| 10 | Ram | 103 |

```
------natural join---------
select staff_name,design_name
from staff_master,designation_master;
```

Script Output | Query Result

SQL | Fetched 50 rows in 0.002 seconds

| | STAFF_NAME | DESIGN_NAME |
|---|---|---|
| 4 | Anil | HOD |
| 5 | John | HOD |
| 6 | Allen | HOD |
| 7 | Smith | HOD |
| 8 | Raviraj | HOD |
| 9 | Rahul | HOD |
| 10 | Ram | HOD |
| 11 | Arvind | Professor |
| 12 | Shyam | Professor |
| 13 | Mohan | Professor |