PRACTICAL NO 7:

**JOIN QUERY**

MariaDB [(none)]> use isra;

Database changed

MariaDB [isra]> create table persons(P\_id int primary key,Last\_nm varchar(21),Fi

rst\_nm varchar(21),Age int);

Query OK, 0 rows affected (0.254 sec)

MariaDB [isra]> insert into persons values(101,"khot","isra",18);

Query OK, 1 row affected (0.187 sec)

MariaDB [isra]> insert into persons values(102,"kadam","abhilasha",18);

Query OK, 1 row affected (0.088 sec)

MariaDB [isra]> insert into persons values(103,"surve","sakshi",18);

Query OK, 1 row affected (0.098 sec)

MariaDB [isra]> select\* from persons;

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

| P\_id | Last\_nm | First\_nm | Age |

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

| 101 | khot | isra | 18 |

| 102 | kadam | abhilasha | 18 |

| 103 | surve | sakshi | 18 |

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

3 rows in set (0.002 sec)

MariaDB [isra]> create table orders(Order\_id int primary key,order\_no int,P\_id i

nt,foreign key(P\_id) references persons(P\_id));

Query OK, 0 rows affected (0.378 sec)

MariaDB [isra]> insert into orders values(501,01,101);

Query OK, 1 row affected (0.111 sec)

MariaDB [isra]> insert into orders values(502,02,102);

Query OK, 1 row affected (0.122 sec)

MariaDB [isra]> insert into orders values(503,03,103);

Query OK, 1 row affected (0.107 sec)

MariaDB [isra]> select\* from orders;

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

| Order\_id | order\_no | P\_id |

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

| 501 | 1 | 101 |

| 502 | 2 | 102 |

| 503 | 3 | 103 |

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

3 rows in set (0.001 sec)

MariaDB [isra]> select persons.P\_id,Last\_nm,First\_nm,Age,orders.Order\_id,Order\_n

o from person INNER JOIN orders ON persons.P\_id=orders.P\_id;

ERROR 1146 (42S02): Table 'isra.person' doesn't exist

MariaDB [isra]> select persons.P\_id,Last\_nm,First\_nm,Age,orders.Order\_id,Order\_n

o from persons INNER JOIN orders ON persons.P\_id=orders.P\_id;

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

| P\_id | Last\_nm | First\_nm | Age | Order\_id | Order\_no |

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

| 101 | khot | isra | 18 | 501 | 1 |

| 102 | kadam | abhilasha | 18 | 502 | 2 |

| 103 | surve | sakshi | 18 | 503 | 3 |

3 rows in set (0.055 sec)

MariaDB [isra]> select persons.P\_id,Last\_nm,First\_nm,orders.Order\_id,Order\_no,pe

rsons.P\_id from persons LEFT OUTER JOIN orders ON persons.P\_id=orders.P\_id;

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

| P\_id | Last\_nm | First\_nm | Order\_id | Order\_no | P\_id |

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

| 101 | khot | isra | 501 | 1 | 101 |

| 102 | kadam | abhilasha | 502 | 2 | 102 |

| 103 | surve | sakshi | 503 | 3 | 103 |

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

3 rows in set (0.002 sec)

MariaDB [isra]> select persons.P\_id,Last\_nm,First\_nm,orders.Order\_id,Order\_no,pe

rsons.P\_id from persons RIGHT OUTER JOIN orders ON persons.P\_id=orders.P\_id;

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

| P\_id | Last\_nm | First\_nm | Order\_id | Order\_no | P\_id |

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

| 101 | khot | isra | 501 | 1 | 101 |

| 102 | kadam | abhilasha | 502 | 2 | 102 |

| 103 | surve | sakshi | 503 | 3 | 103 |

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

3 rows in set (0.001 sec)