

NAME: HAFIZ USMAN

ROLL_NO: p180100

SECTION :CS(B)

QUERIES:

MariaDB [(none)]> use guest_house
Database changed

Q#01:

MariaDB [guest_house]> select hotelname from hotel where hotelname LIKE "__t%" order by hotelname desc;

```
+-----+
| hotelname |
+-----+
| Watergate |
| Latham    |
+-----+
```

2 rows in set (0.059 sec)

Q#02:

MariaDB [guest_house]> SELECT * from hotel, booking, guest WHERE guestname LIKE "%Tony %" or guestname Like "%Farrel%" and
-> guestaddress= "12 Park Pl Glasgow" or guestaddress="6 Achray St, Glasgow";

```
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
+
| guestno | hotelno | hotelname | city  | datefrom | dateto  | roomno | guestname | guestaddress |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
+
| 10007 | dc01    | Latham    | Berlin | 2006-05-13 | 2011-05-15 | 1001 | Tony Shaw | 12 Park Pl, Glasgow |
| 10005 | fb01    | Grosvenor | London | 2004-05-02 | 2004-05-07 | 501  | Carol Farrel | 6 Achray St, Glasgow |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
+
-----
-----
```

Q#03:

select hotelno, hotelname ,price from hotel ,room order by price desc LIMIT 1,1;

```
+-----+-----+-----+
| hotelno | hotelname | price |
```

ch01	Omni Shoreham	59.99
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Q#04:

MariaDB [guest_house]> select roomno, hotelno, hotelname from hotel natural join room natural join booking where datefrom AND dateto BETWEEN
-> "2004-01-01" AND "2010-01-01";

roomno	hotelno	hotelname
801	ch02	Phoenix Park
501	fb01	Grosvenor
601	fb01	Grosvenor
501	fb01	Grosvenor

4 rows in set (0.002 sec)

Q#05:

MariaDB [guest_house]> select roomno, hotelno,hotelname from hotel natural join room natural join booking where type="single" order by price
-> desc limit 2,1;

roomno	hotelno	hotelname
501	fb01	Grosvenor

Q#06:

MariaDB [guest_house]> select hotelname from hotel,room where type="double" AND
type="family";
Empty set (0.000 sec)

Q#07:

MariaDB [guest_house]> select hotelname from hotel natural join room where type='single' AND
type='double';
Empty set (0.000 sec)

Q#08:

MariaDB [guest_house]> select hotelname,hotelno,type from hotel natural join room where price < 40.00 AND type="double" OR type="family";

```
+-----+-----+-----+
| hotelname | hotelno | type |
+-----+-----+-----+
| Omni Shoreham | ch01 | family |
| Phoenix Park | ch02 | double |
| Latham | dc01 | double |
| Latham | dc01 | family |
| Grosvenor | fb01 | double |
| Grosvenor | fb01 | family |
+-----+-----+-----+
```

6 rows in set (0.001 sec)

Q#09:

MariaDB [guest_house]> select type, price from hotel natural join room where hotelname="Grosvenor";

```
+-----+-----+
| type | price |
+-----+-----+
| single | 19.00 |
| double | 29.00 |
| family | 39.00 |
+-----+-----+
```

3 rows in set (0.001 sec)

Q#10:

MariaDB [guest_house]> select guestname from hotel natural join booking natural join guest where hotelname="Watergate";

```
+-----+
| guestname |
+-----+
| John Kay |
| Mary Tregear |
+-----+
```

2 rows in set (0.001 sec)

Q#11:

MariaDB [guest_house]> select hotelname from hotel natural join room where roomno > 2;

```
+-----+
| hotelname |
+-----+
| Omni Shoreham |
| Omni Shoreham |
| Phoenix Park |
| Phoenix Park |
| Latham |
| Latham |
| Latham |
| Grosvenor |
| Grosvenor |
| Grosvenor |
| Watergate |
| Watergate |
+-----+
```

12 rows in set (0.001 sec)

Q#12:

MariaDB [guest_house]> select roomno from hotel natural join room where city="London";

```
+-----+
| roomno |
+-----+
| 1001 |
| 1101 |
| 701 |
| 801 |
| 501 |
| 601 |
| 701 |
+-----+
```

7 rows in set (0.001 sec)