Q.1) a) Select * from FLIGHT
ORDER BY Airline ASc;

b) SELECT Restrictions,
Amount*1.15 AS Amount_After_Taxes
FROM FARE

WHERE Amount >50;

c) DELETE FROM SEAT_RESERVATION
ORDER BY Seat_number
LIMIT (SELECT FLOOR (0.05*COUNT(*))
FROM SEAT_RESERVATION);
);

d) SELECT AT.Airplane_type_name, A.Total_number_of_seats
FROM AIRPLANE_TYPE AT

JOIN AIRPLANE A ON AT.Airplane_type_name =
A.Airplane_type;

e) SELECT AT.Airplane_type_name AS name
FROM AIRPLANE_TYPE AT
WHERE name LIKE 'E%T';

f) SELECT F.Flight_number, A1.Name AS Departure_Airport,
A2.Name AS Arrival_airport, FL.Scheduled_departure_time,
FL.Scheduled_arrival_time, AT.Airplane_type_name

FROM FLIGHT F

JOIN FLIGHT_LEG FL ON F.Flight_number =
                      FL.Flight_number

JOIN LEG_INSTANCE LI ON FL.Flight_number =
          LI.Flight_number AND FL.Leg_number = LI.Leg_number

JOIN AIRPLANE A ON LI.Airplane_id = A.Airplane_id

JOIN AIRPLANE_TYPE AT ON A.Airplane_type =
                         AT.Airplane_type_name.

JOIN AIRPORT A1 ON FL.Departure_airport_Code =
                   A1.Airport_Code

JOIN AIRPORT A2 ON FL.Arrival_airport_Code =
                   A2.Airport_Code

WHERE F.weekdays LIKE '%Monday%';

```sql
g) SELECT F.Flight_number, F.Airline,
       A1.Name AS Departure_airport,
       A2.Name AS Arrival_airport,
       FL.Scheduled_departure_time,
       FL.Scheduled_arrival_time.

FROM FLIGHT F.

JOIN FLIGHT_LEG FL ON F.Flight_number =
                      FL.Flight_number

JOIN AIRPORT A1 ON FL.Departure_airport_code =
                   A1.Airport_code

JOIN AIRPORT A2 ON FL.Arrival_airport_code =
                   A2.Airport_code

WHERE F.Airline LIKE '%Air%';
```

Programiz
Online SQL Editor

Customers [-]
- customer_id [int]
- first_name [varchar(100)]
- last_name [varchar(100)]
- age [int]
- country [varchar(100)]

Orders [-]
- order_id [integer]
- item [varchar(100)]
- amount [integer]
- customer_id [integer]

Shippings [-]
- shipping_id [integer]
- status [integer]
- customer [integer]

Input

```
-- Online SQL Editor to Run SQL Online.
-- Use the editor to create new tables, insert data and all other SQL operations.

drop table Customers
```

Run SQL

Output

first_name	age
John	31
Robert	22
David	22
John	25
Betty	28

Available Tables

Customers

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

Orders

order_id	item	amount	customer_id
1	Keyboard	400	4
2	Mouse	300	4
3	Monitor	12000	3
4	Keyboard	400	1
5	Mousepad	250	2

Shippings

shipping_id	status	customer
1	Pending	2
2	Pending	4
3	Delivered	3
4	Pending	5
5	Delivered	1

Programiz
Online SQL Editor

Orders [-]
- order_id [integer]
- item [varchar(100)]
- amount [integer]
- customer_id [integer]

Shippings [-]
- shipping_id [integer]
- status [integer]
- customer [integer]

Input

```
-- Online SQL Editor to Run SQL Online.
-- Use the editor to create new tables, insert data and all other SQL operations.

drop table Customers;
```

Run SQL

Available Tables

Orders

order_id	item	amount	customer_id
empty			

Shippings

shipping_id	status	customer
empty		

Output

SQL query successfully executed. However, the result set is empty.

Programiz
Online SQL Editor

Interactive SQL Course

‹ Input

Run SQL › Available Tables

```
-- Online SQL Editor to Run SQL Online.
-- Use the editor to create new tables, insert data and all other SQL operations.

drop table Orders;

drop table Shippings;
```

Output

SQL query successfully executed. However, the result set is empty.

Panel 1

Airport [-]
- Airport_code [varchar(10)]
- name [varchar(20)]
- city [varchar(10)]
- state [varchar(10)]

Input

```
-- Online SQL Editor to Run SQL Online.
-- Use the editor to create new tables, insert data and all other SQL operations.

select * from Airport;
```

Run SQL

Available Tables

Airport

Airport_code	name	city	state
123	Sphinx	Giza	Egypt

Output

Airport_code	name	city	state
123	Sphinx	Giza	Egypt

Panel 2

Airport [-]
- Airport_code [varchar(10)]
- name [varchar(20)]
- city [varchar(10)]
- state [varchar(10)]

Input

```
-- Online SQL Editor to Run SQL Online.
-- Use the editor to create new tables, insert data and all other SQL operations.

insert into Airport values ('123' , 'Sphinx' , 'Giza' , 'Egypt');
```

Run SQL

Available Tables

Airport

Airport_code	name	city	state
Airport_code	name	city	Egypt
123	Sphinx	Giza	Egypt

Output

SQL query successfully executed. However, the result set is empty.

Panel 3

Airport [-]
- Airport_code [varchar(10)]
- name [varchar(20)]
- city [varchar(10)]
- state [varchar(10)]

Input

```
-- Online SQL Editor to Run SQL Online.
-- Use the editor to create new tables, insert data and all other SQL operations.

create table airport (
  Airport_code varchar(10),
  name varchar(20),
  city varchar(10),
  state varchar(10),
  constraint airport_pk primary key (Airport_code)
  );
```

Run SQL

Available Tables

Airport

Airport_code	name	city	state
empty			

Output

SQL query successfully executed. However, the result set is empty.

Activate Windows