

SQL statements to query the data

1. A passenger wants to check the departure time of his flight. so the passenger needs to login the system with his passenger ID and enter his flight number.

--SQL statement to query the data:

```
SELECT F.schedule
```

```
FROM Flight F, Passenger P
```

```
WHERE P.paID=F.paID AND F.Flight_no.=flight number entered by the passenger
```

--The tables taking part in the query statement:

Flight Passenger

--The header of the table (all attributes):

(table flight) seat, terminal, flight\_no, schedule, d\_airport, a\_airport, nonStop, status, pid

(table passenger) name, contact info, VIP or not, pa\_ID

--The attributes of the table taking part in the query:

flight\_no. schedule pa\_ID

2. A new flight attendant is hired. So the administrator needs to login the system and insert a new employee to table flight attendant and also table employee.

--SQL statement to query the data:

```
INSERT INTO flight_attendant
```

```
VALUES( value1, value2, value3)
```

```
INSERT INTO employee
```

```
VALUES(value1, value2, value3, value4)
```

--The tables taking part in the query statement:

Flight attendant Employee

--The header of the table(all attributes):

(table flight attendant)eid, contact info, flying\_liscenceid

(table employee)eid, name, experience, salary

--The attributes of the table taking part in the query:

(table flight attendant)eid, contact info, flying\_liscenceid

(table employee)eid, name experience, salary

3. An administrator needs to look up captain and flight attendants (eID) for a flight that takes on plane 2333.

--SQL statement to query the data:

```
SELECT T.eID T. eID
```

```
FROM Captain C, Flight_attendant Fa, Takes_off T, Plane P
```

```
WHERE T.eid=C.eid AND T.eid=Fa.eid AND P.pid=T.pid AND P.pid= "2333"
```

--The tables taking part in the query statement:

Captain Flight\_attendant Plane Takes\_off

--The header of the table(all attributes):

(table captain): eID,name, experience, salary, contact\_info, flying licensed ID

(table flight attendant):eID, name, experience, salary, contact\_info

(table plane):p\_ID, model, year\_made, capacity

(table takes\_off): eID, name, experience, salary, contact\_info, p\_ID, model, year\_made, capacity

--The attributes of the table taking part in the query: eID, pID