

## Part 2.4 - Course Project: SQL Queries

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4.

a. -- All future flights in the system

```
SELECT * FROM flight WHERE departure_date > CURRENT_DATE OR  
(departure_date = CURRENT_DATE AND departure_time >  
CURRENT_TIME);
```

airline_name	departure_airport	arrival_airport	assigned_airplane	assigned_airplaneID	flight_num	departure_date	departure_time	arrival_date	arrival_time	base_price_ticket	flight_status
Jet Blue	HYD	JFK	Jet Blue	B6623	JB302	2023-11-09	20:30:00	2023-11-10	05:00:00	800	canceled
Jet Blue	PVG	HYD	Jet Blue	B6623	JB404	2023-11-10	23:00:00	2023-11-11	02:30:00	900	delayed
Jet Blue	JFK	PVG	Jet Blue	B6623	JB607	2023-11-12	17:00:00	2023-11-13	09:00:00	950	canceled
United	HYD	PVG	United	UA448	UA506	2023-11-11	15:30:00	2023-11-12	08:45:00	1100	on_time
United	PVG	HYD	United	UA002	UA708	2023-11-13	22:15:00	2023-11-14	03:40:00	1150	delayed

b. -- Show all the delayed flights in the system

```
SELECT * FROM flight WHERE flight_status = "delayed";
```

airline_name	departure_airport	arrival_airport	assigned_airplane	assigned_airplaneID	flight_num	departure_date	departure_time	arrival_date	arrival_time	base_price_ticket	flight_status
Jet Blue	PVG	HYD	Jet Blue	B6623	JB404	2023-11-10	23:00:00	2023-11-11	02:30:00	900	delayed
United	PVG	JFK	United	UA002	UA204	2023-11-07	13:00:00	2023-11-07	19:30:00	1200	delayed
United	PVG	HYD	United	UA002	UA708	2023-11-13	22:15:00	2023-11-14	03:40:00	1150	delayed

c. -- Customer names who bought the tickets

-- Query if the question means - customer names on the ticket.

```
SELECT first_name, last_name FROM purchase;
```

✓ Showing rows 0 - 2 (3 total, Query took 0.0004 seconds.)

```
SELECT first_name, last_name FROM purchase;
```

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☐ Show all | Number of rows: 25 | Filter rows:  Sort by key:

Extra options

			first_name	last_name
<input type="checkbox"/>	Edit	Copy	Delete	John Doe
<input type="checkbox"/>	Edit	Copy	Delete	Jane Smith
<input type="checkbox"/>	Edit	Copy	Delete	Alice Brown

-- Query if the customer names in the question means - names in customer table who might have purchased the ticket (for someone else in certain cases).

```
SELECT c.first_name, c.last_name  
FROM purchase p, customer c
```

```
WHERE p.email_id = c.email_id;
```

✓ Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.)

```
SELECT c.first_name, c.last_name FROM purchase p, customer c WHERE p.email_id = c.email_id;
```

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☐ Show all | Number of rows: 25 | Filter rows:

Extra options

			first_name	last_name
<input type="checkbox"/>	Edit	Copy	Delete	Alice Brown
<input type="checkbox"/>	Edit	Copy	Delete	Jane Smith
<input type="checkbox"/>	Edit	Copy	Delete	John Doe

d. -- Airplanes owned by Jet Blue

```
SELECT airplaneID FROM airplane WHERE airline_name = "Jet Blue";
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

```
SELECT airplaneID FROM airplane WHERE airline_name = "Jet Blue";
```

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☐ Show all | Number of rows: 25 | Filter rows:

Extra options

			airplaneID
<input type="checkbox"/>	Edit	Copy	Delete B6623