Task 1

Task 2

Task 3

Task 4

Task 5

Task 6

Task 7

Task 8


```sql
--7
SELECT first_name, last_name, date_of_birth,
    CASE
        WHEN date_of_birth BETWEEN '1990-01-01' AND '2007-12-31' THEN 'Yong'
        WHEN date_of_birth BETWEEN '1970-01-01' AND '1990-12-31' THEN 'Adult'
        ELSE 'Other'
    END AS groupp
FROM passengers;
```

	first_name character varying (50)	last_name character varying (50)	date_of_birth date	groupp text
1	Hilde	Irnis	2000-01-03	Yong
2	Arvy	Sparsholt	1974-06-09	Adult
3	Reinald	Pococke	1982-06-07	Adult
4	Con	Borrel	1986-10-17	Adult
5	Wayne	Bangs	1996-04-22	Yong
6	Tildy	Shackleford	2004-04-15	Yong
7	Byrle	Oram	1985-07-07	Adult
8	Howard	Igo	1984-03-29	Adult
9	Alphonso	Philippou	1975-08-30	Adult
10	Fairfax	Needham	1981-07-08	Adult
11	Vanda	Prime	1977-05-17	Adult
12	Terra	Wimmer	1977-01-02	Adult
13	Domenic	Blaszczak	2001-12-31	Yong
14	Conrad	Southerell	1998-01-25	Yong

Total rows: 200   Query complete 00:00:00.281

Task 9


```sql
--8
SELECT price,
    CASE
        WHEN price BETWEEN 100 AND 2000 THEN 'Cheap'
        WHEN price BETWEEN 2001 AND 5000 THEN 'Medium'
        WHEN price BETWEEN 5001 AND 10000 THEN 'Expensive'
        ELSE 'Other'
    END AS category_of_price
FROM booking;
```

	price numeric (7,2)	category_of_price text
1	1521.16	Cheap
2	4216.60	Medium
3	5782.37	Expensive
4	102.96	Cheap
5	1517.82	Cheap
6	7813.55	Expensive
7	1346.71	Cheap
8	7860.37	Expensive
9	7015.82	Expensive
10	1668.38	Cheap
11	1314.88	Cheap
12	3283.89	Medium
13	7813.79	Expensive
14	4375.07	Medium

Total rows: 500   Query complete 00:00:00.109

```
--9
SELECT airline_country,
COUNT(airline_name) AS number_of_airline
FROM airline GROUP BY airline_country;
```

	airline_country character varying (50)	number_of_airline bigint
1	Yemen	1
2	Argentina	1
3	Indonesia	2
4	Sudan	1
5	Venezuela	1
6	Hungary	1
7	Slovenia	1
8	Greece	1
9	China	10
10	Russia	4
11	Georgia	1
12	Iran	1
13	Sweden	1
14	France	3

Task 10

```
--10
SELECT flight_no
FROM flights
WHERE scheduled_arrival < actual_arrival;
```

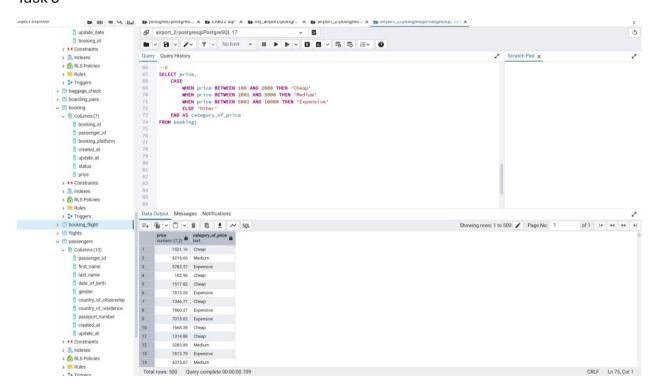|	flight_no character varying (50)
1	US-CT
2	US-NM
3	RU-KR
4	US-AZ
5	IN-OR
6	CA-NL
7	BR-PE
8	TH-32
9	US-MS
10	GB-ENG
11	UZ-SU
12	US-OR
13	KP-10
14	MZ-G

Total rows: 509   Query complete 00:00:00.066   CRLF   Ln 95, Col 13