SECTION 07 SCSD2523

DATABASE

LAB ASSIGNMENT 2

NAME   : AQILAH HANIM BINTI MOHD TAUFIK
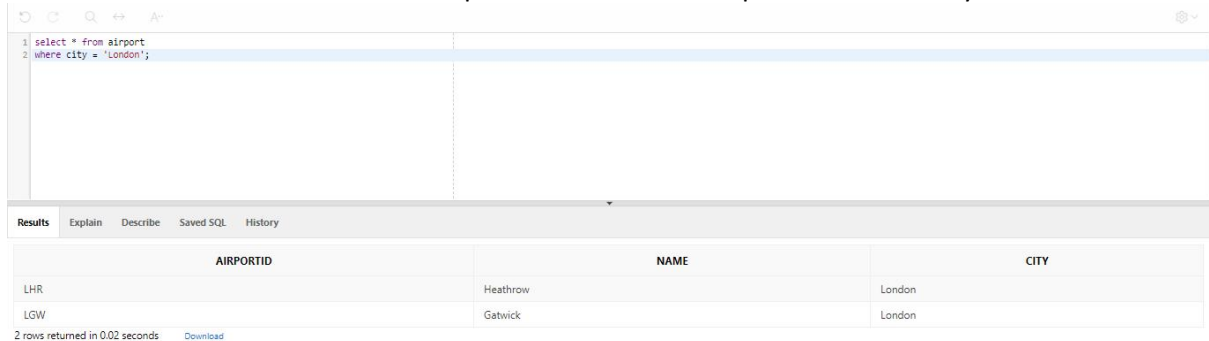
MATRICS NO   : B19EC0006

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LECTURER   : DR SHARIN HAZLIN BINTI HUSPI

View of table for each SQL statements (snap picture, compile all pictures in ONE file and save as .pdf).

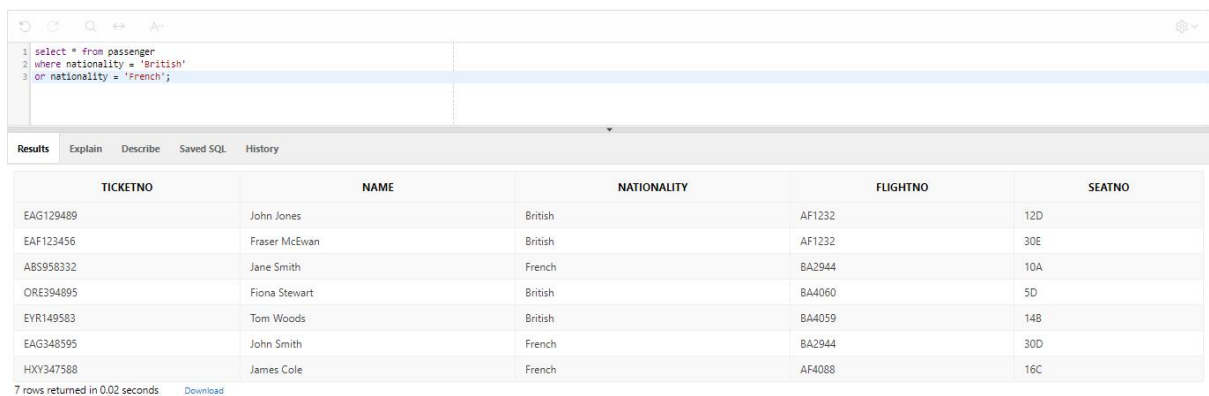1.   Retrieve all rows in Airport table for all the airports in London city.

```
1 select * from airport
2 where city = 'London';
```

Results Explain Describe Saved SQL History

AIRPORTID	NAME	CITY
LHR	Heathrow	London
LGW	Gatwick	London

2 rows returned in 0.02 seconds   Download
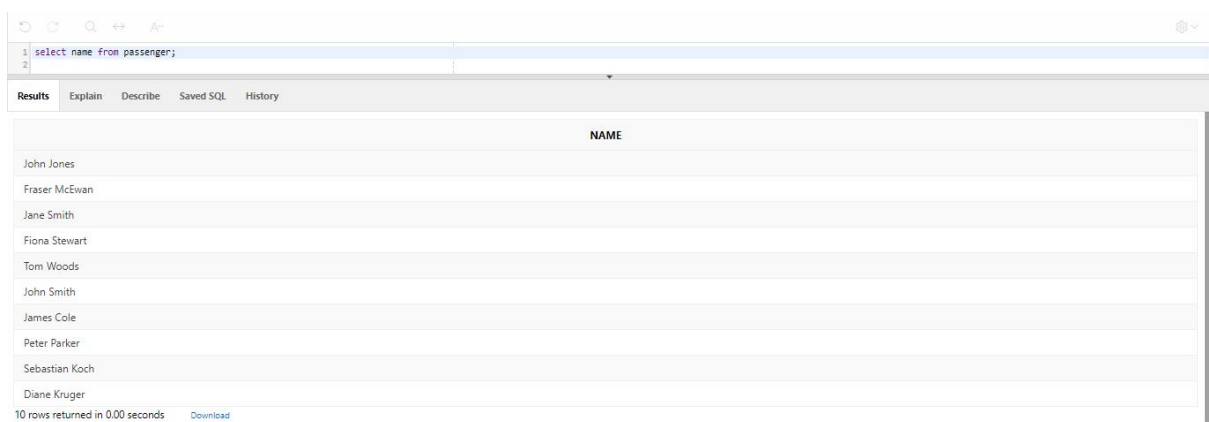
2.   Retrieve all British and French passengers.

```
1 select * from passenger
2 where nationality = 'British'
3 or nationality = 'French';
```

Results Explain Describe Saved SQL History

TICKETNO	NAME	NATIONALITY	FLIGHTNO	SEATNO
EAG129489	John Jones	British	AF1232	12D
EAF123456	Fraser McEwan	British	AF1232	30E
ABS958332	Jane Smith	French	BA2944	10A
ORE394895	Fiona Stewart	British	BA4060	5D
EYR149583	Tom Woods	British	BA4059	14B
EAG348595	John Smith	French	BA2944	30D
HXY347588	James Cole	French	AF4088	16C

7 rows returned in 0.02 seconds   Download
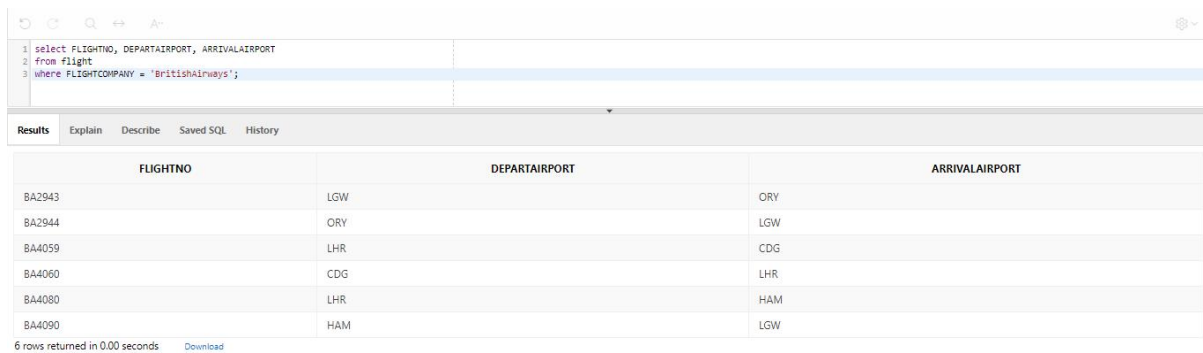
3.   Retrieve all names of all the passengers.

```
1 select name from passenger;
2
```

Results Explain Describe Saved SQL History

NAME
John Jones
Fraser McEwan
Jane Smith
Fiona Stewart
Tom Woods
John Smith
James Cole
Peter Parker
Sebastian Koch
Diane Kruger

10 rows returned in 0.00 seconds   Download

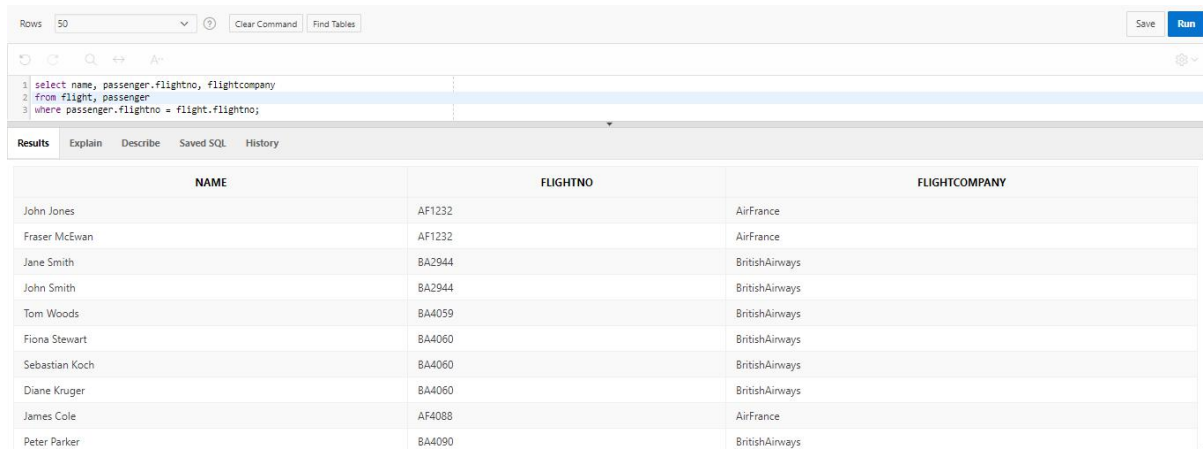4.   Retrieve the flight number, departure and arrival airports of all British Airways.

```
1 select FLIGHTNO, DEPARTAIRPORT, ARRIVALAIRPORT
2 from flight
3 where FLIGHTCOMPANY = 'BritishAirways';
```

Results   Explain   Describe   Saved SQL   History

FLIGHTNO	DEPARTAIRPORT	ARRIVALAIRPORT
BA2943	LGW	ORY
BA2944	ORY	LGW
BA4059	LHR	CDG
BA4060	CDG	LHR
BA4080	LHR	HAM
BA4090	HAM	LGW

6 rows returned in 0.00 seconds   Download
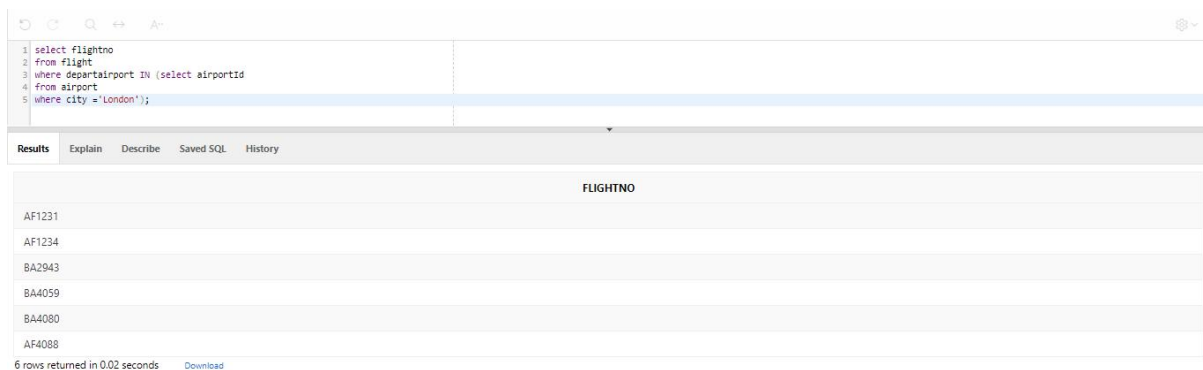
5.   Retrieve the name of every passenger together with their flight number and
the associated company.

Rows 50 ⌄ ⑦   Clear Command   Find Tables   Save   Run

```
1 select name, passenger.flightno, flightcompany
2 from flight, passenger
3 where passenger.flightno = flight.flightno;
```

Results   Explain   Describe   Saved SQL   History

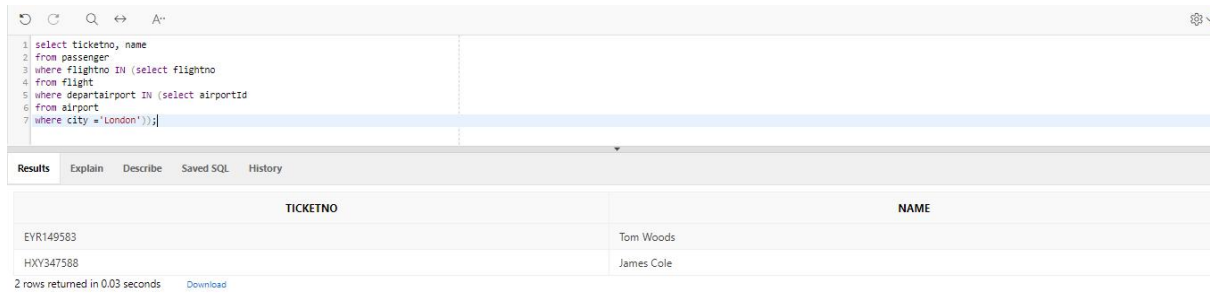| NAME	FLIGHTNO	FLIGHTCOMPANY
John Jones	AF1232	AirFrance
Fraser McEwan	AF1232	AirFrance
Jane Smith	BA2944	BritishAirways
John Smith	BA2944	BritishAirways
Tom Woods	BA4059	BritishAirways
Fiona Stewart	BA4060	BritishAirways
Sebastian Koch	BA4060	BritishAirways
Diane Kruger	BA4060	BritishAirways
James Cole	AF4088	AirFrance
Peter Parker	BA4090	BritishAirways

6.   Retrieve all flights departed from all airports in London.

```
1 select flightno
2 from flight
3 where departairport IN (select airportId
4 from airport
5 where city ='London');
```

Results   Explain   Describe   Saved SQL   History

FLIGHTNO
AF1231
AF1234
BA2943
BA4059
BA4080
AF4088

6 rows returned in 0.02 seconds   Download

7.   Retrieve the ticket numbers and names of all passenger departing from London.
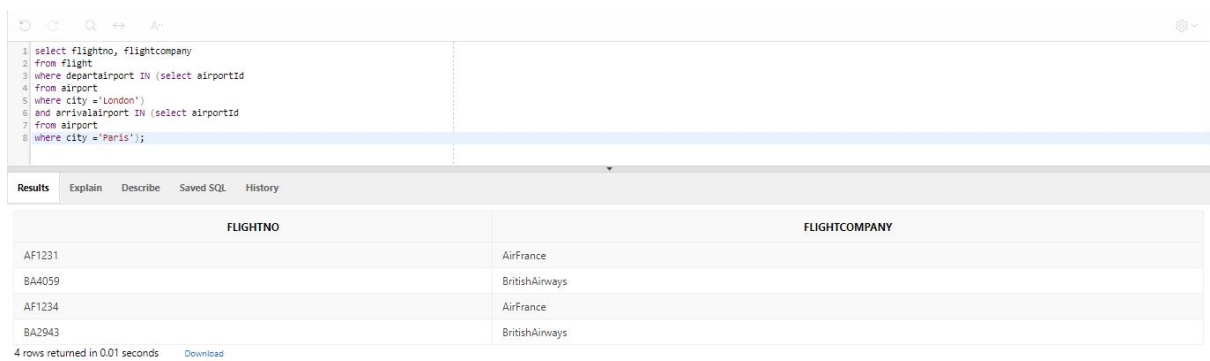
```
1 select ticketno, name
2 from passenger
3 where flightno IN (select flightno
4 from flight
5 where departairport IN (select airportId
6 from airport
7 where city ='London'));
```

Results Explain Describe Saved SQL History

TICKETNO	NAME
EYR149583	Tom Woods
HXY347588	James Cole

2 rows returned in 0.03 seconds Download

8.   Retrieve the flight number and flight company of all flights from London to Paris.

```
1 select flightno, flightcompany
2 from flight
3 where departairport IN (select airportId
4 from airport
5 where city ='London')
6 and arrivalairport IN (select airportId
7 from airport
8 where city ='Paris');
```

Results Explain Describe Saved SQL History

FLIGHTNO	FLIGHTCOMPANY
AF1231	AirFrance
BA4059	BritishAirways
AF1234	AirFrance
BA2943	BritishAirways

4 rows returned in 0.01 seconds Download

1.Retrieve all rows in Airport table for all the airports in London city.

```
select * from airport
where city = 'London';
```

2.Retrieve all British and French passengers.

```
select * from passenger
where nationality = 'British'
or nationality = 'French';
```

3.Retrieve all names of all the passengers.

```
select name from passenger;
```

4.Retrieve the flight number, departure and arrival airports of all British Airways.

```
select flightno, departairport, arrivalairport
from flight
where flightcompany = 'BritishAirways';
```

5.Retrieve the name of every passenger together with their flight number and the associated company.

```
select name, passenger.flightno, flightcompany
from flight, passenger
where passenger.flightno = flight.flightno;
```

6.Retrieve all flights departed from all airports in London.

```
select flightno
from flight
where departairport IN
        (select airportId
        from airport
        where city ='London');
```

7.Retrieve the ticket numbers and names of all passenger departing from London.

```
select ticketno, name
from passenger
where flightno IN
        (select flightno
        from flight
        where departairport IN
                (select airportId
                from airport
                where city ='London'));
```

8.Retrieve the flight number and flight company of all flights from London to Paris.

```
select flightno, flightcompany
from flight
where departairport IN
        (select airportId
        from airport
        where city ='London')
and arrivalairport IN
        (select airportId
        from airport
        where city ='Paris');
```