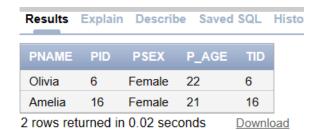
1. <u>IN:</u> Select passenger information where passenger age is 22 or 21.

SELECT \*
FROM Passenger
WHERE P age IN ('22','21');



2. **NOT IN:** Select staff information where age of staff is not present in the given sequence.

SELECT \*
FROM Staff
WHERE Sage not IN ('22','21','25','34','24','30','26','27','28','29','32');

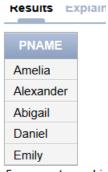
Results Explain Describe Saved SQL History								
SID	CID	SNAME	SAGE	SSALARY	SSEX	POST		
7	5	Aryan	23	21000	Male	Accountant		
10	8	Neha	31	30000	Female	Manager		
14	11	Komal	33	21000	Female	Accountant		
18	15	Tina	35	25000	Female	Supervisor		
20	17	Sakshi	36	20000	Female	Clerk		

5 rows returned in 0.01 seconds <u>Download</u>

3. **EXIST:** Selects passenger name if the record exists in the subquery.

SELECT Pname FROM Passenger WHERE EXISTS

(SELECT Destination FROM Ticket WHERE passenger.Tid = ticket.Tid AND Tid>15);



5 rows returned ir

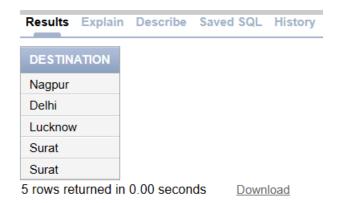
4. **NOT EXIST:** Selects only those passenger name which do not exist in the subquery.

SELECT Pname
FROM Passenger
WHERE Not EXISTS
(SELECT Destination FROM Ticket WHERE passenger.Tid = ticket.Tid AND Tid<18);

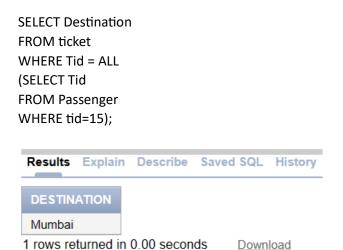


5. ANY: Lists destination if there is any record in passenger table with ticket id greater than 15.

SELECT Destination FROM ticket WHERE Tid = ANY (SELECT Tid FROM Passenger WHERE tid>15);



## 6. ALL: Display the list of all destination where ticket ID is 15



## 7. Subquery: 3 level subquery

This subquery retrieves all the ticket information for buses belonging to a company with the name 'ABC Bus Company'. The first level of the subquery selects the ticket information from the ticket table. The second level selects the bus id values from the bus table where the company id matches a company id from the buscompany table. The third level selects the company id value from the buscompany table where the company name matches 'ABC Bus Company'.

```
SELECT *
FROM ticket
WHERE bid IN (
SELECT bid
FROM bus
WHERE cid IN (
SELECT cid
FROM buscompany
WHERE cname = 'ABC Bus Company'
)
);
```

Result	ts Explain Des	scribe Saved SQL History		
TID	DESTINATION	ARRIVALTIME	DEPARTURETIME	BID
1	Delhi	25-MAR-23 09.30.00.00 AM	25-MAR-23 08.00.00.00 AM	1

1 rows returned in 0.01 seconds Download

## **8.** <u>Correlated query:</u> List ticket information with bus id where bus id is 10.

SELECT a.tid,a.destination,a.arrivaltime,a.bid FROM ticket a WHERE a.bid=( SELECT b.bid FROM bus b WHERE b.bid=13);

