

```

29 • insert into AIRCRAFTS values(1, 'Boeing 737', 5000);
30 • insert into AIRCRAFTS values(2, 'Boeing 738', 15000);
31 • insert into AIRCRAFTS values(3, 'Boeing 739', 2800);
32 • insert into AIRCRAFTS values(4, 'Boeing 740', 20000);
33 • insert into AIRCRAFTS values(5, 'Boeing 741', 25000);
34 • select * from AIRCRAFTS;
35
36 • insert into EMPLOYEE values(11, 'Jack', 50000);
37 • insert into EMPLOYEE values(22, 'Catherine', 25000);
38 • insert into EMPLOYEE values(33, 'Emma', 90000);
39 • insert into EMPLOYEE values(44, 'Jules', 85000);
40 • insert into EMPLOYEE values(55, 'Keith', 10000);
41 • insert into EMPLOYEE values(66, 'Luke', 60000);
42 • insert into EMPLOYEE values(77, 'Haley', 100000);

```



Result Grid



Filter Rows:

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Export/Import:



Wrap C

	Aircraft_ID	Aircraft_Name	Cruising_Range
▶	1	Boeing 737	5000
	2	Boeing 738	15000
	3	Boeing 739	2800
	4	Boeing 740	20000
	5	Boeing 741	25000
•	NULL	NULL	NULL

```

16 • insert into FLIGHTS values(123, 'Bangalore', 'Chennai', 268, '13:00:00', '15:00:00', 5000);
17 • insert into FLIGHTS values(456, 'Chennai', 'Delhi', 2208, '10:05:00', '17:30:00', 10000);
18 • insert into FLIGHTS values(789, 'Bangalore', 'Abu Dhabi', 2750, '01:00:00', '04:00:00', 8000);
19 • insert into FLIGHTS values(101, 'Mangalore', 'Mumbai', 893, '14:00:00', '15:00:00', 1500 );
20 • insert into FLIGHTS values(131, 'Bangalore', 'LA', 14500, '15:00:00', '10:00:00', 50000);
21 • insert into FLIGHTS values(150, 'Bangalore', 'Frankfort', 7395, '14:00:00', '15:00:00', 50000 );
22 • insert into FLIGHTS values(151, 'Bangalore', 'Frankfort', 7395, '13:00:00', '13:30:00', 25000);
23 • insert into FLIGHTS values(155, 'Bangalore', 'Delhi', 7000, '13:00:00', '16:00:00', 15000);
24 • insert into FLIGHTS values(156, 'Madison', 'New York', 8000, '13:00:00', '16:00:00', 20000);
25 • insert into FLIGHTS values(157, 'Madison', 'LA', 5000, '13:00:00', '14:00:00', 15000);
26 • insert into FLIGHTS values(159, 'LA', 'New York', 2000, '14:30:00', '16:00:00', 8000);
27 • select * from FLIGHTS;
28
29 • insert into AIRCRAFTS values(1, 'Boeing 737', 5000);
30 • insert into AIRCRAFTS values(2, 'Boeing 738', 15000);

```

<

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content: [IA](#)

	Flight_Number	From_P	To_P	Distance	Departs	Arrives	Price
▶	101	Mangalore	Mumbai	893	14:00:00	15:00:00	1500
	123	Bangalore	Chennai	268	13:00:00	15:00:00	5000
	131	Bangalore	LA	14500	15:00:00	10:00:00	50000
	150	Bangalore	Frankfort	7395	14:00:00	15:00:00	50000
	151	Bangalore	Frankfort	7395	13:00:00	13:30:00	25000
	155	Bangalore	Delhi	7000	13:00:00	16:00:00	15000
	156	Madison	New York	8000	13:00:00	16:00:00	20000
	157	Madison	LA	5000	13:00:00	14:00:00	15000
	159	LA	New York	2000	14:30:00	16:00:00	8000
	456	Chennai	Delhi	2208	10:05:00	17:30:00	10000
	789	Bangalore	Abu Dhabi	2750	01:00:00	04:00:00	8000

```

36 • insert into EMPLOYEE values(11, 'Jack', 50000);
37 • insert into EMPLOYEE values(22, 'Catherine', 25000);
38 • insert into EMPLOYEE values(33, 'Emma', 90000);
39 • insert into EMPLOYEE values(44, 'Jules', 85000);
40 • insert into EMPLOYEE values(55, 'Keith', 10000);
41 • insert into EMPLOYEE values(66, 'Luke', 60000);
42 • insert into EMPLOYEE values(77, 'Haley', 100000);
43 • select * from EMPLOYEE;
44
45 • insert into CERTIFIED values(11, 1);
46 • insert into CERTIFIED values(22, 2);
47 • insert into CERTIFIED values(33, 3);
48 • insert into CERTIFIED values(44, 4);

```

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Result Grid 
 Filter Rows:
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	Employee_ID	Employee_Name	Salary
▶	11	Jack	50000
	22	Catherine	25000
	33	Emma	90000
	44	Jules	85000
	55	Keith	10000
	66	Luke	60000
	77	Haley	100000
•	NULL	NULL	NULL


```

45 • insert into CERTIFIED values(11, 1);
46 • insert into CERTIFIED values(22, 2);
47 • insert into CERTIFIED values(33, 3);
48 • insert into CERTIFIED values(44, 4);
49 • insert into CERTIFIED values(55, 5);
50 • insert into CERTIFIED values(55, 1);
51 • insert into CERTIFIED values(55, 2);
52 • select * from CERTIFIED;

```

53

```

54 • select A.Aircraft_Name from AIRCRAFTS A, CERTIFIED C where
55 (select E.Employee_ID from EMPLOYEE E where E.Salary>800

```

56

```

57 • select E.Employee_ID, max(A.Cruising_Range) from EMPLOYEE

```



Result Grid



Filter Rows:

Export:



Wrap Cell Content:

	Employee_ID	Aircraft_ID
▶	11	1
	22	2
	33	3
	44	4
	55	5
	55	1
	55	2

```

54 • select A.Aircraft_Name from AIRCRAFTS A, CERTIFIED C where A.Aircraft_ID=C.Aircraft_ID and Employee_ID in
55 (select E.Employee_ID from EMPLOYEE E where E.Salary>80000);
56
57 • select E.Employee_ID, max(A.Cruising_Range) from EMPLOYEE E, AIRCRAFTS A where E.Employee_ID in
58 (select E.Employee_ID from EMPLOYEE E, CERTIFIED C where
59 E.Employee_ID=C.Employee_ID group by E.Employee_ID having count(C.Employee_ID)>=3);
60

```

<
 Result Grid
 

 Filter Rows:
 Export: 
 Wrap Cell Content: 

	Aircraft_Name
▶	Boeing 739
	Boeing 740

```
56
57 • select E.Employee_ID, max(A.Cruising_Range) from EMPLOYEE E, AIRCRAFTS A where E.Employee_ID in
58 (select E.Employee_ID from EMPLOYEE E, CERTIFIED C where
59 E.Employee_ID=C.Employee_ID group by E.Employee_ID having count(C.Employee_ID)>=3);
60
61 • select E.Employee_Name from EMPLOYEE E where E.Employee_ID in
62 (select Employee_ID from Employee where Salary<(select min(F.Price) from FLIGHTS F where
63 F.From_P='Bangalore' and F.To_P='Frankfort'));
```

< Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	Employee_ID	max(A.Cruising_Range)
▶	55	25000

```
61 • select E.Employee_Name from EMPLOYEE E where E.Employee_ID in
62 (select Employee_ID from Employee where Salary<(select min(F.Price) from FLIGHTS F where
63 F.From_P='Bangalore' and F.To_P='Frankfort'));
64
65 • select A.Aircraft_Name, avg(E.Salary) from AIRCRAFTS A, EMPLOYEE E, CERTIFIED C where
66 C.Aircraft_ID=A.Aircraft_ID and C.Employee_ID=E.Employee_ID and A.Cruising_Range>1000;
```

< Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	Employee_Name
▶	Keith

64

65 • `select A.Aircraft_Name, avg(E.Salary) from AIRCRAFTS A, EMPLOYEE E, CERTIFIED C where`
66 `C.Aircraft_ID=A.Aircraft_ID and C.Employee_ID=E.Employee_ID and A.Cruising_Range>1000;`

67

68 • `select E.Employee_Name from EMPLOYEE E, CERTIFIED C, AIRCRAFTS A where`
69 `C.Aircraft_ID=A.Aircraft_ID and C.Employee_ID=E.Employee_ID and A.Aircraft_Name='Boeing 737';`



Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	Aircraft_Name	avg(E.Salary)
--	---------------	---------------

▶	Boeing 737	40000.0000
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```
67
68 • select E.Employee_Name from EMPLOYEE E, CERTIFIED C, AIRCRAFTS A where
69 C.Aircraft_ID=A.Aircraft_ID and C.Employee_ID=E.Employee_ID and A.Aircraft_Name='Boeing 737';
70
```



Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	Employee_Name
▶	Jack
	Keith

70

71 • `select Aircraft_ID from AIRCRAFTS where`

72 `Cruising_Range>(select Distance from FLIGHTS where From_P='Bangalore' and To_P='Delhi');`

73

74 • `select Departs,Flight_Number from FLIGHTS where Flight_Number in`

<

Result Grid



Filter Rows:

Edit:



Export/Import:



Wrap Cell Content:



	Aircraft_ID
▶	2
	4
	5
●	NULL

```
73
74 • select Departs,Flight_Number from FLIGHTS where Flight_Number in
75 ((select Flight_Number from FLIGHTS where From_P='Madison' and To_P='New York' and Arrives<='18:00:00') union
76 (select F1.Flight_Number from FLIGHTS F1, FLIGHTS F2 where F1.From_P='Madison' and F1.To_P!='New York' and
77 F1.To_P=F2.From_P and F2.To_P='New York' and F2.Departs>F1.Arrives and F2.Arrives<='18:00:00'));
78
79 • select Employee_Name from Employee where Employee_ID not in
80 (select distinct Employee_ID from CERTIFIED) and
```

< Result Grid Filter Rows: Export:  Wrap Cell Content: 

	Departs	Flight_Number
▶	13:00:00	156
	13:00:00	157

```
79 • select Employee_Name from Employee where Employee_ID not in
80 (select distinct Employee_ID from CERTIFIED) and
81 Salary>=(select avg(Salary) from EMPLOYEE where Employee_ID not in (select distinct Employee_ID from CERTIFIED));
82
```



Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	Employee_Name
▶	Haley