

QUERYING DATA

INSERT 10 ROWS INTO BOTH TABLES, AS GIVEN BELOW.

CREATE A TABLE NAMED **COUNTRY** WITH FIELDS: ID **COUNTRY_NAME**, **POPULATION**, **AREA**
CREATE ANOTHER TABLE NAMED **PERSONS** WITH FIELDS: ID **FNAME**, **LNAME**, **POPULATION**,
RATING, **COUNTRY_ID**, **COUNTRY_NAME**

- (1) LIST THE DISTINCT COUNTRY NAMES FROM THE PERSONS TABLE
- (2) SELECT FIRST NAMES AND LAST NAMES FROM THE PERSONS TABLE WITH ALIASES.
- (3) FIND ALL PERSONS WITH A RATING GREATER THAN 4.0.
- (4) FIND COUNTRIES WITH A POPULATION GREATER THAN 10 LAKHS.
- (5) FIND PERSONS WHO ARE FROM 'USA' OR HAVE A RATING GREATER THAN 4.5.
- (6) FIND ALL PERSONS WHERE THE COUNTRY NAME IS NULL.
- (7) FIND ALL PERSONS FROM THE COUNTRIES 'USA', 'CANADA', AND 'UK'
- (8) FIND ALL PERSONS NOT FROM THE COUNTRIES 'INDIA' AND 'AUSTRALIA'.
- (9) FIND ALL COUNTRIES WITH A POPULATION BETWEEN 5 LAKHS AND 20 MILLION.
- (10) FIND ALL COUNTRIES WHOSE NAMES DO NOT START WITH 'C'.

USE ENTRI_D41;

#	Time	Action	Message
1	15:01:39	use entri_d41	0 row(s) affected

```
CREATE TABLE COUNTRY(COUNTRY_NAME VARCHAR(50) ,
                      POPULATION INT,
                      AREA INT);
```

```
2 • Create table country(COUNTRY_NAME VARCHAR(50) ,
3                          POPULATION INT,
4                          AREA INT);
5
6
```

Output

Action Output

#	Time	Action	Message
✓ 1	15:01:39	use entri_d41	0 row(s) affected
✓ 2	15:13:42	Create table country(COUNTRY_NAME VARCHAR(50) , POPULATION INT, AREA INT)	0 row(s) affected

```
CREATE TABLE PERSONS(F_NAME VARCHAR(50),
                      L_NAME VARCHAR(50),
                      POPULATION INT,
                      RATING INT,
                      COUNTRY_ID INT,
                      COUNTRY_NAME VARCHAR(50));
```

```
5 • Create table PERSONS(F_NAME VARCHAR(50),
6                          L_NAME VARCHAR(50),
7                          POPULATION INT,
8                          RATING INT,
9                          COUNTRY_ID INT,
10                         COUNTRY_NAME VARCHAR(50));
11
```

Output

Action Output

#	Time	Action	Message
✓ 1	15:43:34	Create table PERSONS(F_NAME VARCHAR(50), L_NAME VARCHAR(50), POPULATIO...	0 row(s) affected

INSERT INTO PERSONS VALUE ('TINU','TOM',40000000,5,10010,'SINGAPORE');

```
19 • INSERT INTO PERSONS VALUE ('TINU','TOM',40000000,5,10010,'SINGAPORE');
```

```
20
```

Output



Action Output

	#	Time	Action	Message
✖	1	16:56:33	Create table PERSONS(F_NAME VARCHAR(50), L_NAME VARCHAR(50), POPULATIO...	Error Code: 1050. '
✔	2	16:56:42	INSERT INTO PERSONS VALUE ('TINU','TOM',40000000,5,10010,'SINGAPORE')	1 row(s) affected

INSERT INTO COUNTRY VALUES ('USA',6600000,4000),('ROME',200000,1000),
('TANZANIA',5000000,1500),('KENYA',3000000,1000);

```
12 • INSERT INTO COUNTRY VALUES('SINGAPORE',40000000,1000),('INDONESIA',100000000,2500);
```

```
13 • INSERT INTO COUNTRY VALUES ('USA',6600000,4000),('ROME',200000,1000),
```

```
14 ('TANZANIA',5000000,1500),('KENYA',3000000,1000);
```

```
15
```

```
16
```

```
17
```

```
18
```

```
19
```

Output



Action Output

	#	Time	Action	Message
✔	1	16:33:33	INSERT INTO COUNTRY VALUES('USA',6600000,4000),('ROME',200000,1000), ('TA...	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0

```
INSERT INTO COUNTRY VALUES ('UK',6500000,2000),('CANADA',450000000,5500),
('AUSTRALIA',80000000,6500),('INDIA',500000000,3000);
```

```
16 • INSERT INTO COUNTRY VALUES ('UK',6500000,2000),('CANADA',450000000,5500),
17 ('AUSTRALIA',80000000,6500),('INDIA',500000000,3000);
18
19
20
21
```

Output

Action Output

#	Time	Action	Message
✓ 1	16:33:33	INSERT INTO COUNTRY VALUES('USA',6600000,4000),('ROME',200000,1000).	(TA... 4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0
✓ 2	16:44:09	INSERT INTO COUNTRY VALUES('UK',6500000,2000),('CANADA',450000000,5500).	... 4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0

```
18 • SELECT * FROM COUNTRY;
19
```

Result Grid



Filter Rows:

	COUNTRY_NAME	POPULATION	AREA
▶	SINGAPORE	40000000	1000
	INDONESIA	100000000	2500
	USA	6600000	4000
	ROME	200000	1000
	TANZANIA	5000000	1500
	KENYA	3000000	1000
	UK	6500000	2000
	CANADA	450000000	5500
	AUSTRALIA	80000000	6500
	INDIA	500000000	3000

```

INSERT INTO PERSONS VALUES('KANNAN','RAVI',6600000,6,10001,'USA'),

('MANJU','NATH', 6600000,3,10001,"),

('SUKANYA','SURESH', 6500000,7,10002,'UK'),

('ANDREW','THOMPSON', 450000000,8,10003,'CANADA'),

('ANIL','CHOUDHARY', 500000000,4,10005,'INDIA'),

('SIMILY','MATHEW', 80000000,6,10004,'AUSTRALIA'),

('ABDUL','SALAM', 5000000,3,10225,'TANZANIA'),

('ROBERT','MOGAMBE', 5000000,4,10225,'TANZANIA'),

('SUKVINDER','SINGH', 6500000,6,10002,'UK');

```

```

21 • INSERT INTO PERSONS VALUES('KANNAN','RAVI',6600000,6,10001,'USA'),
22 ('MANJU','NATH', 6600000,3,10001,''),
23 ('SUKANYA','SURESH', 6500000,7,10002,'UK'),
24 ('ANDREW','THOMPSON', 450000000,8,10003,'CANADA'),
25 ('ANIL','CHOUDHARY', 500000000,4,10005,'INDIA'),
26 ('SIMILY','MATHEW', 80000000,6,10004,'AUSTRALIA'),
27 ('ABDUL','SALAM', 5000000,3,10225,'TANZANIA'),
28 ('ROBERT','MOGAMBE', 5000000,4,10225,'TANZANIA'),
29 ('SUKVINDER','SINGH', 6500000,6,10002,'UK');
30

```

Output

Action Output

#	Time	Action	Message
1	17:40:40	INSERT INTO PERSONS VALUES('KANNAN','RAVI',6600000,6,10001,'USA'), ('MANJU','NATH', 660...	9 row(s) affected Records: 9 Duplicates: 0 Warnings: 0

(1) LIST THE DISTINCT COUNTRY NAMES FROM THE PERSONS TABLE

SELECT DISTINCT COUNTRY_NAME FROM PERSONS;

31 • SELECT DISTINCT COUNTRY_NAME FROM PERSONS;

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

COUNTRY_NAME
SINGAPORE
USA
UK
CANADA
INDIA
AUSTRALIA
TANZANIA

PERSONS 3 x

Output

Action Output

#	Time	Action	Message
✓ 1	17:40:40	INSERT INTO PERSONS VALUES('KANNAN','RAVI',6600000,6,10001,'USA'), ('MANJU','NATH', 66...	9 row(s) affected Records: 9 Duplicates: 0 Warnings: 0
✓ 2	18:27:52	SELECT DISTINCT COUNTRY_NAME FROM PERSONS LIMIT 0, 1000	8 row(s) returned

(2)SELECT FIRST NAMES AND LAST NAMES FROM THE PERSONS TABLE WITH ALIASES.

```
SELECT F_NAME AS FIRST_NAME , L_NAME AS SECOND_NAME,CONCAT(F_NAME , L_NAME)  
AS FULLNAME FROM PERSONS;
```

33 • `SELECT F_NAME AS FIRST_NAME , L_NAME AS SECOND_NAME,CONCAT(F_NAME , L_NAME) AS FULLNAME FROM PERSONS;`

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
FIRST_NAME	SECOND_NAME	FULLNAME	
TINU	TOM	TINUTOM	
KANNAN	RAVI	KANNANRAVI	
MANJU	NATH	MANJUNATH	
SUKANYA	SURESH	SUKANYASURESH	
ANDREW	THOMPSON	ANDREWTHOMPSON	
ANIL	CHOUDHARY	ANILCHOUDHARY	
SIMILY	MATHEW	SIMILYMATHEW	
ABDUL	SALAM	ABDULSALAM	
ROBERT	MOGAMBE	ROBERTMOGAMBE	
SUKVINDER	SINGH	SUKVINDERSINGH	

Result 17 x

Output

#	Time	Action	Message
✓ 14	19:11:20	SELECT F_NAME AS FIRST_NAME ,L_NAME AS SECOND_NAME,CONCAT(F_NAME, L_NAME)...	10 row(s) returned
✓ 15	19:12:12	SELECT F_NAME AS FIRST_NAME , L_NAME AS SECOND_NAME,CONCAT(F_NAME , L_NAM...	10 row(s) returned

(3)FIND ALL PERSONS WITH A RATING GREATER THAN 4.0.

```
SELECT CONCAT(F_NAME , L_NAME)
AS FULLNAME,RATING FROM PERSONS
WHERE RATING>4;
```

```
35 • SELECT CONCAT(F_NAME , L_NAME)
36 AS FULLNAME,RATING FROM PERSONS
37 WHERE RATING>4;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	FULLNAME	RATING		
▶	TINUTOM	5		
	KANNANRAVI	6		
	SUKANYASURESH	7		
	ANDREWTHOMPSON	8		
	SIMILYMATHEW	6		
	SUKVINDERSINGH	6		

Result 20 ✕

Output

Action Output

#	Time	Action	Message
10	19:05:51	SELECT F_NAME AS FIRST_NAME ,L_NAME AS SECOND_NAME,CONCAT('F_NAME' 'L_NAME'...	10 row(s) returned

(4)FIND COUNTRIES WITH A POPULATION GREATER THAN 10 LAKHS.

```
SELECT DISTINCT COUNTRY_NAME,POPULATION  
FROM PERSONS  
WHERE POPULATION>1000000;
```

39 • `SELECT DISTINCT COUNTRY_NAME,POPULATION`
40 `FROM PERSONS`
41 `WHERE POPULATION>1000000;`

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

	COUNTRY_NAME	POPULATION
▶	SINGAPORE	40000000
	USA	66000000
		66000000
	UK	65000000
	CANADA	450000000
	INDIA	500000000
	AUSTRALIA	80000000
	TANZANIA	5000000

PERSONS 23 x

Output




Action Output

#	Time	Action	Message
✓ 1	19:34:10	SELECT DISTINCT COUNTRY_NAME,POPULATION FROM PERSONS WHERE POPULATION>1...	8 row(s) returned

(5)FIND PERSONS WHO ARE FROM 'USA' OR HAVE A RATING GREATER THAN 4.5.

```
SELECT CONCAT(F_NAME , L_NAME)
AS FULLNAME , RATING FROM PERSONS
WHERE RATING>4.5
AND COUNTRY_NAME LIKE 'USA%';
```


```
43 • SELECT CONCAT(F_NAME , L_NAME)
44 AS FULLNAME,RATING FROM PERSONS
45 WHERE RATING>4.5
46 AND COUNTRY_NAME LIKE 'USA%';
47
```

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

	FULLNAME	RATING
▶	KANNANRAVI	6

Result 29 x

Output :

 Action Output ▼

#	Time	Action	Message
✓ 1	19:43:25	SELECT CONCAT(F_NAME , L_NAME) AS FULLNAME,RATING FROM PERSONS WHERE RATI...	1 row(s) returned

(6)FIND ALL PERSONS WHERE THE COUNTRY NAME IS NULL.

```
SELECT CONCAT(F_NAME , L_NAME)
AS FULLNAME FROM PERSONS
WHERE COUNTRY_NAME ='';
```

```
48 • SELECT CONCAT(F_NAME , L_NAME)
49 AS FULLNAME FROM PERSONS
50 WHERE COUNTRY_NAME ='';
51
52
53
```

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

	FULLNAME
▶	MANJUNATH

Result 45 ×

Output





Action Output

#	Time	Action	Message
✓ 1	22:44:05	SELECT CONCAT(F_NAME , L_NAME) AS FULLNAME,RATING FROM PERSONS WHERE RATI...	1 row(s) returned
✓ 2	22:44:20	SELECT CONCAT(F_NAME , L_NAME) AS FULLNAME FROM PERSONS WHERE COUNTRY_NA...	1 row(s) returned

(7)FIND ALL PERSONS FROM THE COUNTRIES 'USA', 'CANADA', AND 'UK'

AS FULLNAME,COUNTRY_NAME FROM PERSONS
WHERE COUNTRY_NAME IN('CANADA','USA','UK')


```
53 • SELECT CONCAT(F_NAME , L_NAME)
54 AS FULLNAME,COUNTRY_NAME FROM PERSONS
55 WHERE COUNTRY_NAME IN('CANADA','USA','UK')
56
57
58
```

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

	FULLNAME	COUNTRY_NAME
▶	KANNANRAVI	USA
	SUKANYASURESH	UK
	ANDREWTHOMPSON	CANADA
	SUKVINDERSINGH	UK

Result 51 ×

Output



 Action Output ▼

	#	Time	Action	Message
✓	1	22:51:50	SELECT CONCAT(F_NAME , L_NAME) AS FULLNAME,COUNTRY_NAME FROM PERSONS WH...	4 row(s) returned

(8)FIND ALL PERSONS NOT FROM THE COUNTRIES 'INDIA' AND 'AUSTRALIA'.

```
SELECT CONCAT(F_NAME , L_NAME)
AS FULLNAME,COUNTRY_NAME FROM PERSONS
WHERE COUNTRY_NAME NOT IN
('INDIA' ,'AUSTRALIA');
```

```
57 • SELECT CONCAT(F_NAME , L_NAME)
58 AS FULLNAME,COUNTRY_NAME FROM PERSONS
59 WHERE COUNTRY_NAME NOT IN
60 ('INDIA' ,'AUSTRALIA');
61
```

Result Grid		
Filter Rows: <input type="text"/>		
Export:  Wrap Cell Content: 		
	FULLNAME	COUNTRY_NAME
▶	TINUTOM	SINGAPORE
	KANNANRAVI	USA
	MANJUNATH	
	SUKANYASURESH	UK
	ANDREWTHOMPSON	CANADA
	ABDULSALAM	TANZANIA
	ROBERTMOGAMBE	TANZANIA
	SUKVINDERSINGH	UK

Result 32 ×			
Output			
Action Output			
	#	Time	Action
✓	1	09:35:47	SELECT COUNTRY_NAME,POPULATION FROM COUNTRY WHERE POPULATION BETWEEN ...
✓	2	09:40:26	SELECT COUNTRY_NAME FROM COUNTRY WHERE COUNTRY_NAME NOT LIKE 'C%' LIMIT 0...
✓	3	10:44:19	SELECT CONCAT(F_NAME , L_NAME) AS FULLNAME,COUNTRY_NAME FROM PERSONS WH...
		Message	
		4 row(s) returned	
		9 row(s) returned	
		8 row(s) returned	

(9)FIND ALL COUNTRIES WITH A POPULATION BETWEEN 5 LAKHS AND 20 MILLION

```
SELECT COUNTRY_NAME,POPULATION FROM COUNTRY  
WHERE POPULATION BETWEEN 500000 AND 20000000;
```



62

63 •

```
SELECT COUNTRY_NAME,POPULATION FROM COUNTRY
```

64

```
WHERE POPULATION BETWEEN 500000 AND 20000000;
```

Result Grid		
Filter Rows: <input type="text"/>		
Export:  Wrap Cell Content: 		
	COUNTRY_NAME	POPULATION
▶	USA	6600000
	TANZANIA	5000000
	KENYA	3000000
	UK	6500000

COUNTRY 30 ×

Output			
Action Output			
#	Time	Action	Message
✓ 1	09:35:47	SELECT COUNTRY_NAME,POPULATION FROM COUNTRY WHERE POPULATION BETWEEN ...	4 row(s) returned

(10)FIND ALL COUNTRIES WHOSE NAMES DO NOT START WITH 'C'.

```
SELECT COUNTRY_NAME FROM  
COUNTRY WHERE COUNTRY_NAME NOT LIKE 'C%';
```

66 • `SELECT COUNTRY_NAME FROM`
67 `COUNTRY WHERE COUNTRY_NAME NOT LIKE 'C%'`
68
69
70
71

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

	COUNTRY_NAME
▶	SINGAPORE
	INDONESIA
	USA
	ROME
	TANZANIA
	KENYA
	UK
	AUSTRALIA
	INDIA

COUNTRY 31 ×

Output

Action Output ▼

	#	Time	Action	Message
✓	1	09:35:47	SELECT COUNTRY_NAME,POPULATION FROM COUNTRY WHERE POPULATION BETWEEN ...	4 row(s) returned
✓	2	09:40:26	SELECT COUNTRY_NAME FROM COUNTRY WHERE COUNTRY_NAME NOT LIKE 'C%' LIMIT 0...	9 row(s) returned