

# DBMS LAB ASSIGNMENT 5

NAME =DEEPTI RANJOLKAR

ROLL NO: 19BCS037

***1. Illustrate logical ANY, ALL and LIKE operator- the queries should be relevant to your respective databases 3 queries for each operator. One query explaining the difference between ANY and ALL***

use T10\_TRAVEL

select \* from T10\_bookingdetails

where customer\_id >ANY(select customer\_id from T10\_bookingdetails  
where booking\_title= 'single')

SQLQuery1.sql - DE...JUD4T\DEEPTI (55))\*

```
use T10_TRAVEL
select * from T10_bookingdetails
where customer_id >ANY(select customer_id from T10_bookingdetails
where booking_title= 'double')
```

145 %

Results Messages

	booking_id	booking_hotel_id	booking_type	booking_date	booking_title	booking_description	customer_id
1	2	2000	online	22/02/2021	double	NULL	2
2	3	2000	online	22/02/2021	double	NULL	3
3	4	2000	offline	22/02/2021	double	NULL	4
4	5	2000	online	22/02/2021	double	NULL	5
5	6	2000	offline	22/02/2021	double	NULL	6
6	7	2000	online	22/02/2021	double	NULL	7
7	8	2000	offline	22/02/2021	double	NULL	8
8	9	2000	offline	22/02/2021	double	NULL	9
9	10	2000	online	22/02/2021	double	NULL	10
10	11	2000	offline	22/02/2021	double	NULL	11
11	12	2000	online	22/02/2021	double	NULL	12
12	13	2000	offline	22/02/2021	double	NULL	13
13	14	2000	online	22/02/2021	double	NULL	14
14	15	2000	online	22/02/2021	double	NULL	15
15	16	2000	online	22/02/2021	double	NULL	16
16	18	2000	online	22/02/2021	double	NULL	18
17	19	2000	online	22/02/2021	double	NULL	19
18	20	2000	online	22/02/2021	double	NULL	20

Query executed successfully. DESKTOP-JTIUD4T (15.0 R

```

use T10_TRAVEL
select * from T10_customerdetails
where customer_id > ANY (select customer_id from T10_customerdetails
                        where age= 20);

```

SQLQuery1.sql - DE...JUD4T\DEEPTI (55)\*

```

use T10_TRAVEL
select * from T10_customerdetails
where customer_id > ANY (select customer_id from T10_customerdetails
                        where age= 20);

```

145 %

Results Messages

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname
1	25	reeti	9196947530	reeti@gmail.com	reeti122	91969	Hyd	20	Shetty
2	100	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	NULL
3	10000	Amrutha	9663417432	amrutha@gmail.com	laxmi	apple	myface	NULL	NULL

Query executed successfully.

DESKTOP-JTIUD4T (15.0 RTM) | DESKTOP-JTIUD4T\DEEPTI... | T10\_TRAVEL | 00:00:00 | 3

```

use T10_TRAVEL
select * from T10_customerdetails
where customer_id < ANY (select customer_id from T10_customerdetails where age= 20);

```

SQLQuery1.sql - DE...JUD4T\DEEPTI (55)\*

```

use T10_TRAVEL
select * from T10_customerdetails
where customer_id < ANY (select customer_id from T10_customerdetails
                        where age= 20);

```

15 %

Results Messages

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname
1	1	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	Shetty
2	2	deepthi	9663410002	deepthi@gmail.com	deepthi	bat123	jaipur	NULL	NULL
3	3	rosey	9563617876	rosey123@gmail.com	rosey1234	rosila	bangalore	NULL	NULL
4	4	mankena	9663412002	mankena@gmail.com	sumnu	chunduru	kadapa	NULL	NULL
5	5	chitra	9087654321	chitra@gmail.com	reddy123	manchi123	ongole	NULL	NULL
6	6	shruti	9456387432	shruti123@gmail.com	khandu123	shruu@	hubli	NULL	NULL
7	7	deepthi	9656432890	deepthi@gmail.com	@1234	deepthi890	belagavi	NULL	NULL
8	8	laxmi	9999417432	laxmi@gmail.com	laxmi@st-88	laxmi@1234	mangalore	NULL	NULL
9	9	ieesha	9663421342	ieesha@gmail.com	ieesha@1gg	ai@eesae	koppula	NULL	NULL
10	10	lisa	9663490909	lisa12@gmail.com	lizar@123	lisa@lizard	chikodd	NULL	NULL
11	11	Ammu	9090909092	ammumunu@gmail.com	lammu123	ammu@123	bidar	NULL	NULL
12	12	akhlip	9663243432	akhlip@gmail.com	laxmi@myface	akhle12	udaipur	NULL	NULL
13	13	sejal	9663463123	sejal@gmail.com	sejal@123	apple@123sejal	gorakpur	NULL	NULL
14	14	kartik	9034256123	pujara@gmail.com	kartikmana@12	kartik@123	bangalore	NULL	NULL
15	15	uma	9660017432	umaaa@gmail.com	uma@123	apple@123	uttarakannada	NULL	NULL
16	16	mia	9678543232	.miamami@gmail.com	@132mi	aprdg23e	gokarana	NULL	NULL
17	17	sanjana	9028453442	sanjana@gmail.com	143@me	sanju@12	mysore	NULL	NULL
18	18	Amruthakvl	9663017432	kvlanrutha@gmail.com	laxmi@ammu	ammukvl	mumbai	NULL	NULL
19	20	dani	9623457432	dani@gmail.com	ladgg3@vni	adwh21e	kolkata	NULL	NULL
20	24	Amrutha	9045178502	amrutha@gmail.com	ammu@123	qwerty@123	newdelhi	20	NULL

Query executed successfully.

DESKTOP-JTIUD4T (15.0 RTM) | DESKTOP-JTIUD4T\DEEPTI... | T10\_TRAVEL | 00:00:00 | 20 rows

```

use T10_TRAVEL
select * from T10_customerdetails
where customer_id < ALL (select customer_id from T10_customerdetails where age= 20);

```

SQLQuery1.sql - DE...IUD4T\DEEPTI (55))

```
use T10_TRAVEL
select * from T10_customerdetails
where customer_id < ALL (select customer_id from T10_customerdetails where age= 20);
```

145 %

Results

Messages

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname
1	1	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	Shetty
2	2	deepti	9663410002	deepti@gmail.com	deeptir	bat123	jaipur	NULL	NULL
3	3	rosy	9563617876	roja123a@gmail.com	rosyi234	rosilia	banglore	NULL	NULL
4	4	mankena	9663412002	mankena@gmail.com	summu	chundurur	kadapa	NULL	NULL
5	5	chaitra	9087654321	chaitra@gmail.com	reddy123	manchi123	ongole	NULL	NULL
6	6	shruti	9456387432	shruti123@gmail.com	khandu123	shrui@	hubli	NULL	NULL
7	7	deepti	9656432890	deepti@gmail.com	@1234	deepti890	belagavi	NULL	NULL
8	8	laxmi	9999417432	laxmi@gmail.com	laxmi@#~&8	laxmi@1234	manglore	NULL	NULL
9	9	ieesha	9663421342	ieeshaa@gmail.com	ieesha@1gg	ai@eesae	koppula	NULL	NULL
10	10	lisa	9663490909	lisa12@gmail.com	lizars@123	lisa@lizard	chikoddi	NULL	NULL
11	11	Ammu	9090909092	ammumumu@gmail.com	lammu123	ammu@123	bidar	NULL	NULL
12	12	akhlisp	9663243432	akhlip@gmail.com	laxmi@myface	akhile12	udaipur	NULL	NULL
13	13	sejal	9663463123	sejal@gmail.com	sejal@123	apple@123sejale	gorakpur	NULL	NULL
14	14	kartik	9034256123	pujara@gmail.com	kartikmama@12	kartik@123	banglore	NULL	NULL
15	15	uma	9660017432	umaaa@gmail.com	uma@123	apple@123	uttarakannada	NULL	NULL
16	16	mia	9678543232	.miamami@gmail.com	@132ni	aprdg23e	gokarana	NULL	NULL
17	18	sanjana	9028453442	sanjana@gmail.com	143@me	sanjuQ12	mysore	NULL	NULL
18	19	Amruthakvl	9663017432	kvlamrutha@gmail.com	laxmi@ammu	ammukvl	mumbai	NULL	NULL
19	20	dani	9623457432	dani@gmail.com	ladgg3@xmi	adwh21e	kolkata	NULL	NULL

Query executed successfully.

DESKTOP-JTIUD4T (15.0 RTM) | DESKTOP-

```
use T10_TRAVEL
select * from T10_customerdetails
where customer_id > ALL (select customer_id from T10_customerdetails
                        where customer_address= 'Mumbai');
```

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)) X SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

```
use T10_TRAVEL
select * from T10_customerdetails
where customer_id > ALL (select customer_id from T10_customerdetails
                        where customer_address= 'Mumbai');
```

145 %

Results Messages

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname
1	10000	Amrutha	9663417432	amrutha@gmail.com	laxmi	apple	myface	NULL	NULL

✔ Query executed successfully. DESKTOP-JTIUD4T (15.0 R

DESKTOP-JTIUD4T (15.0 R

```
use T10_TRAVEL
select * from T10_customerdetails
where customer_id < ALL (select customer_id from T10_customerdetails
```

where customer\_id>110);

SQLQuery2.sql - DE...IUD4T\DEEPTI (62))

SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

use T10\_TRAVEL

select \* from T10\_customerdetails

where customer\_id < ALL (select customer\_id from T10\_customerdetails

where customer\_id>110);

145 %

ResultsMessages

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname
1	1	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	Shetty
2	2	deepti	9663410002	deepti@gmail.com	deeptir	bat123	jaipur	NULL	NULL
3	3	rosy	9563617876	roja123a@gmail.com	rosy1234	rosilia	banglore	NULL	NULL
4	4	mankena	9663412002	mankena@gmail.com	summu	chundurur	kadapa	NULL	NULL
5	5	chaitra	9087654321	chaitra@gmail.com	reddy123	manchi123	ongole	NULL	NULL
6	6	shruti	9456387432	shruti123@gmail.com	khandu123	shruu@	hubli	NULL	NULL
7	7	deepti	9656432890	deepti@gmail.com	@1234	deepti890	belagavi	NULL	NULL
8	8	laxmi	9999417432	laxmi@gmail.com	laxmi@#~&8	laxmi@1234	manglore	NULL	NULL
9	9	ieesha	9663421342	ieeshaa@gmail.com	ieesha@1gg	ai@eesae	koppula	NULL	NULL
10	10	lisa	9663490909	lisa12@gmail.com	lizars@123	lisa@lizard	chikoddi	NULL	NULL
11	11	Ammu	9090909092	ammumumu@gmail.com	lammu123i	ammu@123	bidar	NULL	NULL
12	12	akhilsp	9663243432	akhilp@gmail.com	laxmi@myface	akhile12	udaipur	NULL	NULL
13	13	sejal	9663463123	sejal@gmail.com	sejal@123	apple@123sejale	gorakpur	NULL	NULL
14	14	kartik	9034256123	pujara@gmail.com	kartikmama@12	kartik@123	banglore	NULL	NULL
15	15	uma	9660017432	umaaa@gmail.com	uma@123	apple@123	uttarakannada	NULL	NULL
16	16	mia	9678543232	.miamami@gmail.com	@132mi	aprdg23e	gokarana	NULL	NULL
17	18	sanjana	9028453442	sanjana@gmail.com	143@me	sanjuQ12	mysore	NULL	NULL
18	19	Amruthakvl	9663017432	kvlamrutha@gmail.com	laxmi@ammu	ammukvl	mumbai	NULL	NULL
19	20	dani	9623457432	dani@gmail.com	ladgg3@xmi	adjwh21e	kolkata	NULL	NULL
20	24	Amrutha	9045178502	amrutha@gmail.com	ammu@123	qwerty@123	newdelhi	20	NULL

Query executed successfully.

DESKTOP-JTIUD4T (15.0 R)

Query executed successfully.

DESKTOP-JTIUD4T (15.0 RT)

```
SELECT customer_name, customer_address FROM T10_customerdetails
WHERE customer_name LIKE '%a%'
SELECT customer_id, customer_email FROM T10_customerdetails
WHERE customer_name LIKE '%an%'
SELECT customer_name, customer_address FROM T10_customerdetails
WHERE customer_name LIKE '_a%'
```

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)\* SQLQuery1.sql - DE...IUD4T\DEEPTI (58)

```

SELECT customer_name, customer_address FROM T10_customerdetails
WHERE customer_name LIKE '%a%'
SELECT customer_id, customer_email FROM T10_customerdetails
WHERE customer_name LIKE '%an%'
SELECT customer_name, customer_address FROM T10_customerdetails
WHERE customer_name LIKE '_a%'

```

145 %

Results Messages

	customer_name	customer_address
1	Amrutha	Mumbai
2	mankena	kadapa
3	chaitra	ongole
4	laxmi	manglore
5	ieesha	koppula
6	lisa	chikoddi
7	Ammu	bidar
8	akhlisp	udaipur

	customer_id	customer_email
1	4	mankena@gmail.com
2	18	sanjana@gmail.com
3	20	dani@gmail.com

	customer_name	customer_address
1	mankena	kadapa
2	laxmi	manglore
3	kartik	banglore
4	sanjana	mysore

Query executed successfully.

DESKTOP-JTIUD4T (15.0 RTM) | DESKTOP-

## 2. One query for each Aggregate function.

```

SELECT AVG(package_amount)
FROM T10_packagedetails;

```

```

SELECT COUNT(customer_mobile)
FROM T10_customerdetails;

```

```

SELECT MIN(customer_mobile)
FROM T10_customerdetails;

```

```

SELECT MAX(customer_mobile)
FROM T10_customerdetails;

```

```

SELECT SUM(package_total)
FROM T10_packagedetails;

```

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)\* SQLQuery1.sql - DE...IUD4T\DEEPTI (58)

```

SELECT AVG(package_amount)
FROM T10_packagedetails;

SELECT COUNT(customer_mobile)
FROM T10_customerdetails;

SELECT MIN(customer_mobile)
FROM T10_customerdetails;

SELECT MAX(customer_mobile)
FROM T10_customerdetails;

```

145 %

Results Messages

(No column name)
1 521
(No column name)
1 23
(No column name)
1 9028453442
(No column name)
1 9999417432
(No column name)
1 14300

Query executed successfully. DESKTOP-JTIUD4T (15.0 RTM) DESKTOP-JTIUI

### 3. Illustrate the usage of order by, group by and having clause (2 queries for each case)

SELECT \* FROM T10\_customerdetails  
ORDER BY customer\_mobile ASC;

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)\* SQLQuery1.sql - DE...IUD4T\DEEPTI (58)

```

SELECT * FROM T10_customerdetails
ORDER BY customer_mobile ASC;

```

145 %

Results Messages

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname
1	18	sanjana	9028453442	sanjana@gmail.com	143@me	sanjuQ12	mysore	NULL	NULL
2	14	karik	9034256123	pujara@gmail.com	karikmama@12	karik@123	banglore	NULL	NULL
3	24	Amrutha	9045178502	amrutha@gmail.com	ammu@123	qwerty@123	newdelhi	20	NULL
4	100	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	NULL
5	1	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	Shetty
6	5	chaitra	9087654321	chaitra@gmail.com	reddy123	manchi123	ongole	NULL	NULL
7	11	Ammu	9090909092	ammumumu@gmail.com	lammu123	ammu@123	bidar	NULL	NULL
8	25	reeti	9196947530	reeti@gmail.com	reeti122	91969	Hyd	20	Shetty
9	6	shruti	9456387432	shruti123@gmail.com	khandu123	shruti@	hubli	NULL	NULL
10	3	rosy	9563617876	roja123a@gmail.com	rosy1234	rosila	banglore	NULL	NULL
11	20	dani	9623457432	dani@gmail.com	ladgg3@xmi	adwh21e	kolikata	NULL	NULL
12	7	deepti	9656432890	deepti@gmail.com	@1234	deepti890	belagavi	NULL	NULL
13	15	uma	9660017432	umaaa@gmail.com	uma@123	apple@123	uttarakannada	NULL	NULL
14	19	Amruthakvl	9663017432	kvlamrutha@gmail.com	laxmi@ammu	ammukvl	mumbai	NULL	NULL
15	12	akhlip	9663243432	akhlip@gmail.com	laxmi@myface	akhile12	udaipur	NULL	NULL
16	2	deepti	9663410002	deepti@gmail.com	deeptir	bat123	jaipur	NULL	NULL
17	4	mankena	9663412002	mankena@gmail.com	summu	chundurur	kadapa	NULL	NULL
18	10000	Amrutha	9663417432	amrutha@gmail.com	laxmi	apple	myface	NULL	NULL
19	9	ieesha	9663421342	ieeshaa@gmail.com	ieesha@1gg	ai@eesae	koppula	NULL	NULL
20	13	sejal	9663463123	sejal@gmail.com	sejal@123	apple@123sejale	gorakpur	NULL	NULL
21	10	lisa	9663490909	lisa12@gmail.com	lizars@123	lisa@lizard	chikoddi	NULL	NULL
22	16	mia	9678543232	miamami@gmail.com	@132mi	aprdg23e	gokarana	NULL	NULL
23	8	tanvi	968817432	tanvi@gmail.com	tanvi@1234	tanvi@1234	banglore	NULL	NULL

Query executed successfully. DESKTOP-JTIUD4T (15.0 RTM) DESKTOP-JTIUD4T\DEEPTI...

SELECT \* FROM T10\_customerdetails

ORDER BY customer\_address DESC;

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)) \* SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

```
SELECT * FROM T10_customerdetails
ORDER BY customer address DESC;
```

145 %

Results Messages

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname
1	15	uma	9660017432	umaaa@gmail.com	uma@123	apple@123	uttarakannada	NULL	NULL
2	12	akhilsp	9663243432	akhilp@gmail.com	laxmi@myface	akhile12	udaipur	NULL	NULL
3	5	chaitra	9087654321	chaitra@gmail.com	reddy123	manchi123	ongole	NULL	NULL
4	24	Amrutha	9045178502	amrutha@gmail.com	ammu@123	qwerty@123	newdelhi	20	NULL
5	18	sanjana	9028453442	sanjana@gmail.com	143@me	sanjuQ12	mysore	NULL	NULL
6	10000	Amrutha	9663417432	amrutha@gmail.com	laxmi	apple	myface	NULL	NULL
7	100	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	NULL
8	19	Amruthakvl	9663017432	kvlamrutha@gmail...	laxmi@ammu	ammukvl	mumbai	NULL	NULL
9	1	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	Shetty
10	8	laxmi	9999417432	laxmi@gmail.com	laxmi@#~&8	laxmi@1234	manglore	NULL	NULL
11	9	ieesha	9663421342	ieeshaa@gmail.com	ieesha@1gg	ai@eesae	koppula	NULL	NULL
12	20	dani	9623457432	dani@gmail.com	ladgg3@xmi	adjwh21e	kolkata	NULL	NULL
13	4	markena	9663412002	markena@gmail.c...	summu	chundurur	kadapa	NULL	NULL
14	2	deepti	9663410002	deepti@gmail.com	deeptir	bat123	jaipur	NULL	NULL
15	25	reeti	9196947530	reeti@gmail.com	reeti122	91969	Hyd	20	Shetty
16	6	shruti	9456387432	shruti123@gmail.c...	khandu123	shruu@	hubli	NULL	NULL
17	13	sejal	9663463123	sejal@gmail.com	sejal@123	apple@123sejale	gorakpur	NULL	NULL
18	16	mia	9678543232	.miamami@gmail.c...	@132mi	aprdg23e	gokarana	NULL	NULL
19	10	lisa	9663490909	lisa12@gmail.com	lizars@123	lisa@lizard	chikoddi	NULL	NULL
20	11	Ammu	9090909092	ammumumu@gma...	lammu123i	ammu@!23	bidar	NULL	NULL
21	7	deepti	9656432890	deepti@gmail.com	@1234	deepti890	belagavi	NULL	NULL
22	3	rosy	9563617876	roja123a@gmail.c...	rosyi234	rosilia	banglore	NULL	NULL
23	14	karik	9034256123	puiara@gmail.com	karikmama@12	karik@123	banglore	NULL	NULL

Query executed successfully. DESKTOP-JTIUD4T (15.0 RTI)

SELECT customer\_address,COUNT(\*)  
FROM T10\_customerdetails  
GROUP BY customer\_address ;

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)) \* SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

```
SELECT customer_address,COUNT(*)
FROM T10_customerdetails
GROUP BY customer_address ;
```

145 %

Results Messages

	customer_address	(No column name)
1	banglore	2
2	belagavi	1
3	bidar	1
4	chikoddi	1
5	gokarana	1
6	gorakpur	1
7	hubli	1
8	Hyd	1
9	jaipur	1
10	kadapa	1
11	kolkata	1
12	koppula	1
13	manglore	1
14	Mumbai	3
15	myface	1
16	mysore	1
17	newdelhi	1
18	ongole	1
19	udaipur	1
20	uttarakannada	1

Query executed successfully. DESKTOP

SELECT package\_amount,COUNT(\*)

```
FROM T10_packagedetails
GROUP BY package_amount;
```

The screenshot shows the SQL Developer interface. The top pane displays the following SQL query:

```
SELECT package_amount, COUNT(*)
FROM T10_packagedetails
GROUP BY package_amount;
```

The bottom pane shows the 'Results' tab with a table containing 7 rows. The first column is 'package\_amount' and the second column is '(No column name)'. The data is as follows:

package_amount	(No column name)
100	1
300	2
400	1
500	11
600	1
700	1
1000	2

A status bar at the bottom indicates 'Query executed successfully.' and the desktop name 'DESKTOP-JTIU' is visible on the right.

```
SELECT package_amount, COUNT(package_amount)
FROM T10_packagedetails
GROUP BY package_amount
HAVING COUNT(package_amount) > 5;
```

The screenshot shows the SQL Developer interface. The top pane displays the following SQL query:

```
SELECT package_amount, COUNT(package_amount)
FROM T10_packagedetails
GROUP BY package_amount
HAVING COUNT(package_amount) > 5;
```

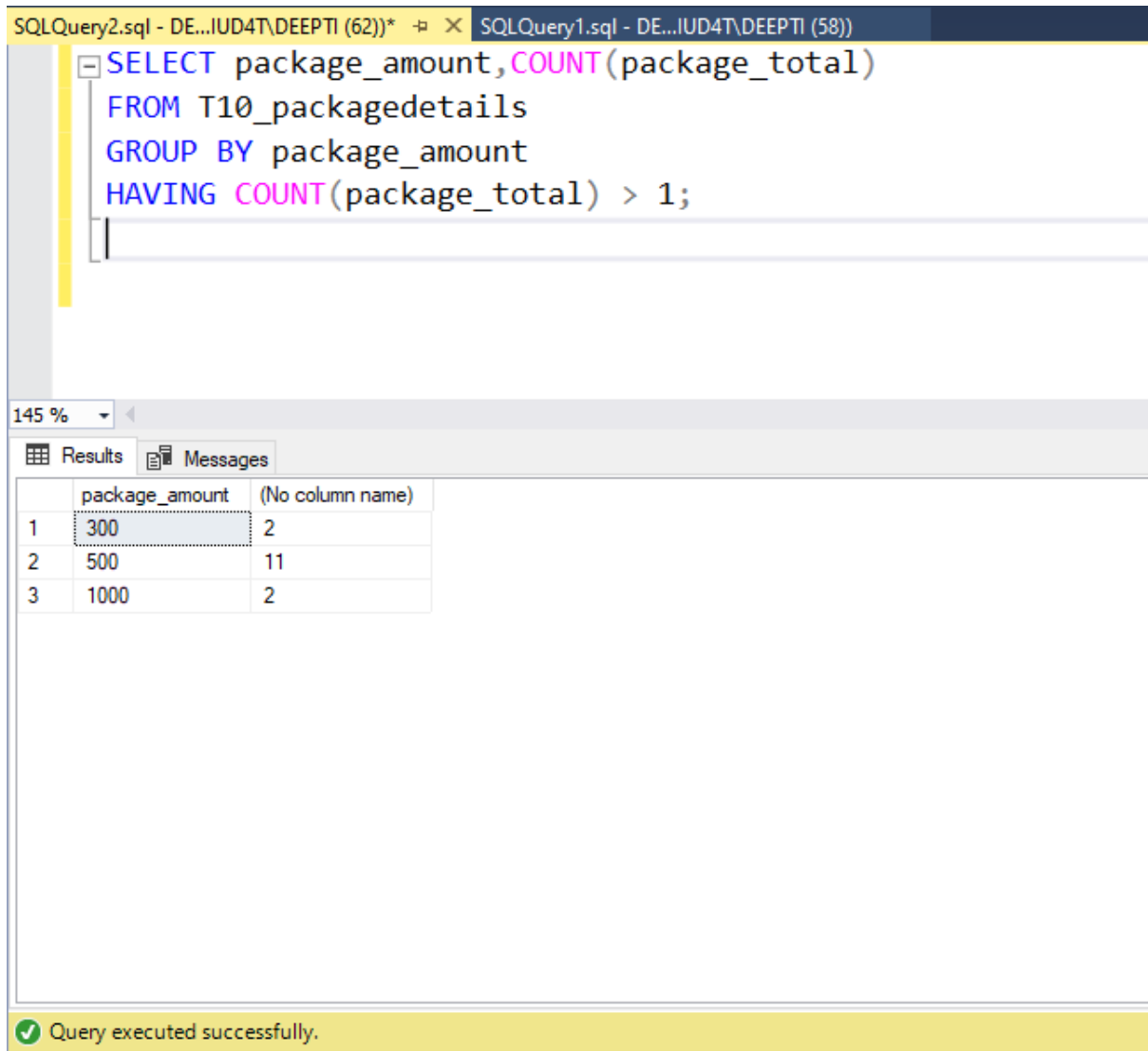
The bottom pane shows the 'Results' tab with a table containing 1 row. The first column is 'package\_amount' and the second column is '(No column name)'. The data is as follows:

package_amount	(No column name)
500	11

A status bar at the bottom indicates 'Query executed successfully.'



```
SELECT package_amount,COUNT(package_total)
FROM T10_packagedetails
GROUP BY package_amount
HAVING COUNT(package_total) > 1;
```



The screenshot shows a SQL Server Enterprise Manager window with two tabs: 'SQLQuery2.sql - DE...IUD4T\DEEPTI (62))' and 'SQLQuery1.sql - DE...IUD4T\DEEPTI (58))'. The active tab displays the following SQL query:

```
SELECT package_amount,COUNT(package_total)
FROM T10_packagedetails
GROUP BY package_amount
HAVING COUNT(package_total) > 1;
```

Below the query editor, the 'Results' tab is selected, showing a table with 3 rows and 2 columns. The first column is 'package\_amount' and the second column is '(No column name)'. The data is as follows:

	package_amount	(No column name)
1	300	2
2	500	11
3	1000	2

At the bottom of the window, a yellow status bar indicates: 'Query executed successfully.'

#### ***4. Use Aggregate function with group by and having***

```
SELECT package_amount,COUNT(package_total),AVG(package_total)
FROM T10_packagedetails
GROUP BY package_amount
HAVING COUNT(package_total) > 1;
```

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)) \* -> X SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

```
SELECT package_amount, COUNT(package_total), AVG(package_total)
FROM T10_packagedetails
GROUP BY package_amount
HAVING COUNT(package_total) > 1;
```

145 %

Results Messages

	package_amount	(No column name)	(No column name)
1	300	2	750
2	500	11	636
3	1000	2	1250

Query executed successfully.

```
SELECT package_amount, COUNT(package_total)
FROM T10_packagedetails
GROUP BY package_amount
HAVING package_amount > 400;
```

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)) \* -> X SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

```
SELECT package_amount, COUNT(package_total)
FROM T10_packagedetails
GROUP BY package_amount
HAVING package_amount > 400;
```

145 %

Results Messages

	package_amount	(No column name)
1	500	11
2	600	1
3	700	1
4	1000	2

Query executed successfully.

```

USE T10_TRAVEL
SELECT customer_address,MIN(customer_mobile)
FROM T10_customerdetails
GROUP BY customer_address

HAVING customer_address = 'Mumbai';

```

The screenshot shows a SQL Server Enterprise Manager interface. At the top, there are two tabs: 'SQLQuery2.sql - DE...IUD4T\DEEPTI (62))' and 'SQLQuery1.sql - DE...IUD4T\DEEPTI (58))'. The active window displays the following SQL query:

```

USE T10_TRAVEL
SELECT customer_address,MIN(customer_mobile)
FROM T10_customerdetails
GROUP BY customer_address
HAVING customer_address = 'Mumbai';

```

Below the query editor, the 'Results' tab is selected, showing a single row of data:

	customer_address	(No column name)
1	Mumbai	904517852

At the bottom of the window, a yellow status bar indicates: 'Query executed successfully.'

```

USE T10_TRAVEL
SELECT customer_address,MAX(customer_mobile)
FROM T10_customerdetails
GROUP BY customer_address
HAVING customer_address = 'Mumbai';

```

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)) \* SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

```
SELECT customer_address, MAX(customer_mobile)
FROM T10_customerdetails
GROUP BY customer_address
HAVING customer_address = 'Mumbai';
```

145 %

Results Messages

	customer_address	(No column name)
1	Mumbai	9663017432

Query executed successfully.

USE T10\_TRAVEL  
SELECT customer\_address, SUM(customer\_id)  
FROM T10\_customerdetails  
GROUP BY customer\_address  
HAVING customer\_address = 'Mumbai';

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)) \* SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

```
SELECT customer_add SQLQuery2.sql - DESKTOP-JTIUD4T.T10_TRAVEL (DESKTOP-JTIUD4T\DEEPTI (62)) *
FROM T10_customerdetails
GROUP BY customer_address
HAVING customer_address = 'Mumbai';
```

145 %

Results Messages

	customer_address	(No column name)
1	Mumbai	120

Query executed successfully. DESK

## 5. Write at least 3 nested queries using order by, group by and having clause.

```
SELECT package_amount, SUM(package_total)
FROM T10_packagedetails
WHERE customer_id = ANY
    (
        SELECT customer_id
        FROM T10_bookingdetails
        where customer_id = ANY
            (
                SELECT customer_id
                FROM T10_packagedetails
                Where package_amount > 500
            )
    )
GROUP BY package_amount
HAVING package_amount < 1500
ORDER BY package_amount ASC;
```

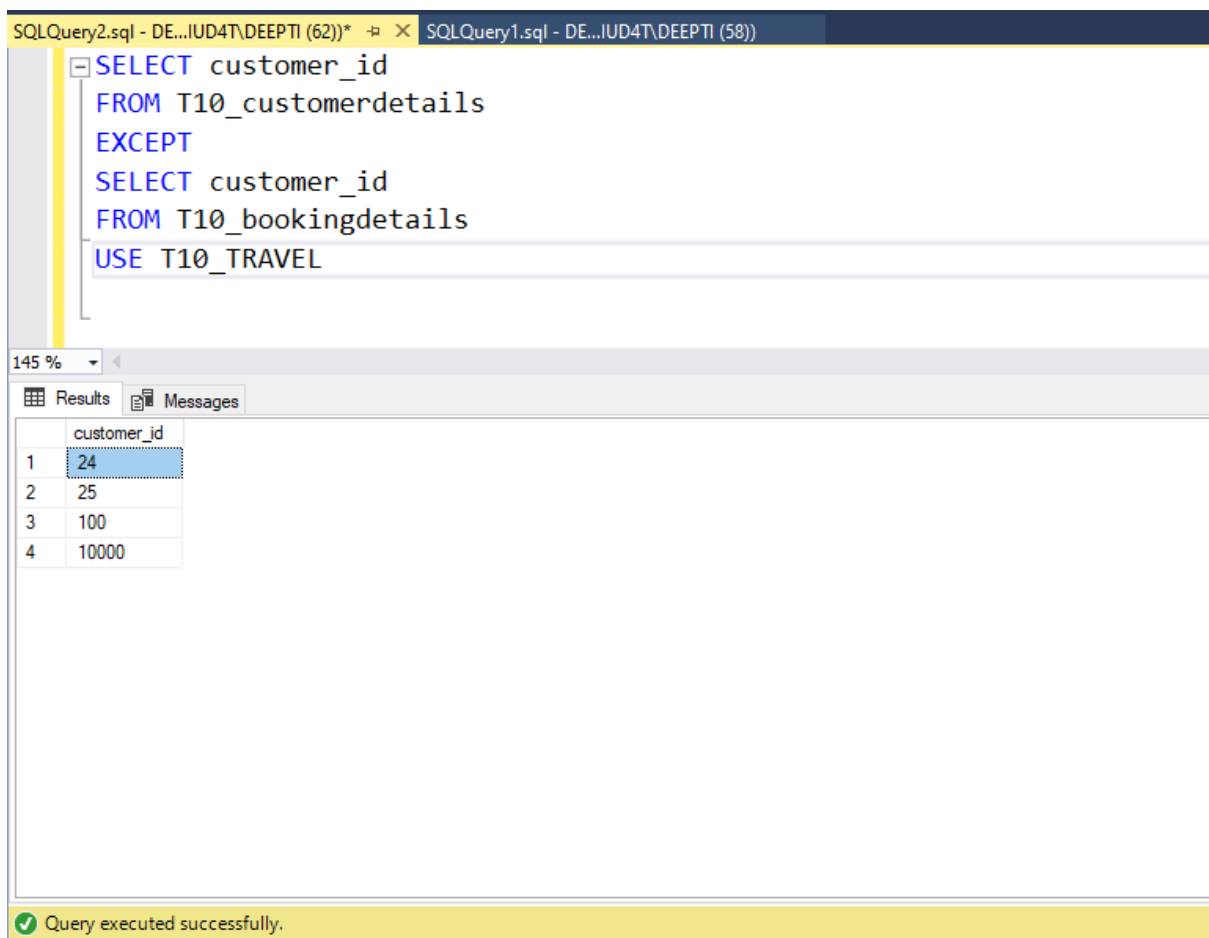
The screenshot shows the SQL Developer interface with a query window and a results pane. The query is a complex nested query using subqueries with 'ANY' and 'ORDER BY' clauses. The results pane displays a table with three rows of data.

	package_amount	(No column name)
1	600	900
2	700	800
3	1000	2500

Query executed successfully.

## 6. Illustrate the Usage of Except, Exists, Not Exists, Union, Intersection

```
SELECT customer_id
FROM T10_customerdetails
EXCEPT
SELECT customer_id
FROM T10_bookingdetails
USE T10_TRAVEL
```



The screenshot shows a SQL Server Enterprise Manager interface. At the top, there are two tabs: 'SQLQuery2.sql - DE...IUD4T\DEEPTI (62))' and 'SQLQuery1.sql - DE...IUD4T\DEEPTI (58))'. The active window displays the following SQL query:

```
SELECT customer_id
FROM T10_customerdetails
EXCEPT
SELECT customer_id
FROM T10_bookingdetails
USE T10_TRAVEL
```

Below the query window, the 'Results' tab is selected, showing a table with the following data:

	customer_id
1	24
2	25
3	100
4	10000

At the bottom of the window, a status bar indicates 'Query executed successfully.'

```
SELECT * FROM T10_customerdetails
WHERE EXISTS (
```

```
SELECT customer_id
FROM T10_bookingdetails
```

```
)
```

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)) \* SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

```

SELECT * FROM T10_customerdetails
WHERE EXISTS (
    SELECT customer_id
    FROM T10_bookingdetails
)

```

145 %

Results Messages

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname
1	1	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	Shetty
2	2	deepti	9663410002	deepti@gmail.com	deeptir	bat123	jaipur	NULL	NULL
3	3	rosy	9563617876	roja123a@gmail.com	rosyi234	rosilia	banglore	NULL	NULL
4	4	mankena	9663412002	mankena@gmail.com	summu	chundurur	kadapa	NULL	NULL
5	5	chaitra	9087654321	chaitra@gmail.com	reddy123	manchi123	ongole	NULL	NULL
6	6	shruti	9456387432	shruti123@gmail.com	khandu123	shruu@	hubli	NULL	NULL
7	7	deepti	9656432890	deepti@gmail.com	@1234	deepti890	belagavi	NULL	NULL
8	8	laxmi	9999417432	laxmi@gmail.com	laxmi@#*&8	laxmi@1234	manglore	NULL	NULL
9	9	ieesha	9663421342	ieeshaa@gmail.com	ieesha@1gg	ai@eesae	koppula	NULL	NULL
10	10	lisa	9663490909	lisa12@gmail.com	lizars@123	lisa@lizard	chikoddi	NULL	NULL
11	11	Ammu	9090909092	ammumumu@gmail.com	lammu123i	ammu@123	bidar	NULL	NULL
12	12	akhilsp	9663243432	akhilp@gmail.com	laxmi@myface	akhile12	udaipur	NULL	NULL
13	13	sejal	9663463123	sejal@gmail.com	sejal@123	apple@123sejale	gorakpur	NULL	NULL
14	14	kartik	9034256123	pujara@gmail.com	kartikmama@12	kartik@123	banglore	NULL	NULL
15	15	uma	9660017432	umaaa@gmail.com	uma@123	apple@123	uttarakannada	NULL	NULL
16	16	mia	9678543232	.miamami@gmail.com	@132mi	aprdg23e	gokarana	NULL	NULL
17	18	sanjana	9028453442	sanjana@gmail.com	143@me	sanjuQ12	mysore	NULL	NULL
18	19	Amruthakvl	9663017432	kvlamrutha@gmail.com	laxmi@ammu	ammukvl	mumbai	NULL	NULL

Query executed successfully. DESKTOP-JTIUD4T (1)

```

SELECT * FROM T10_customerdetails
WHERE NOT EXISTS (

```

```

    SELECT customer_id
    FROM T10_bookingdetails
)

```

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)) \* SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

```

SELECT * FROM T10_customerdetails
WHERE NOT EXISTS (
    SELECT customer_id
    FROM T10_bookingdetails
)

```

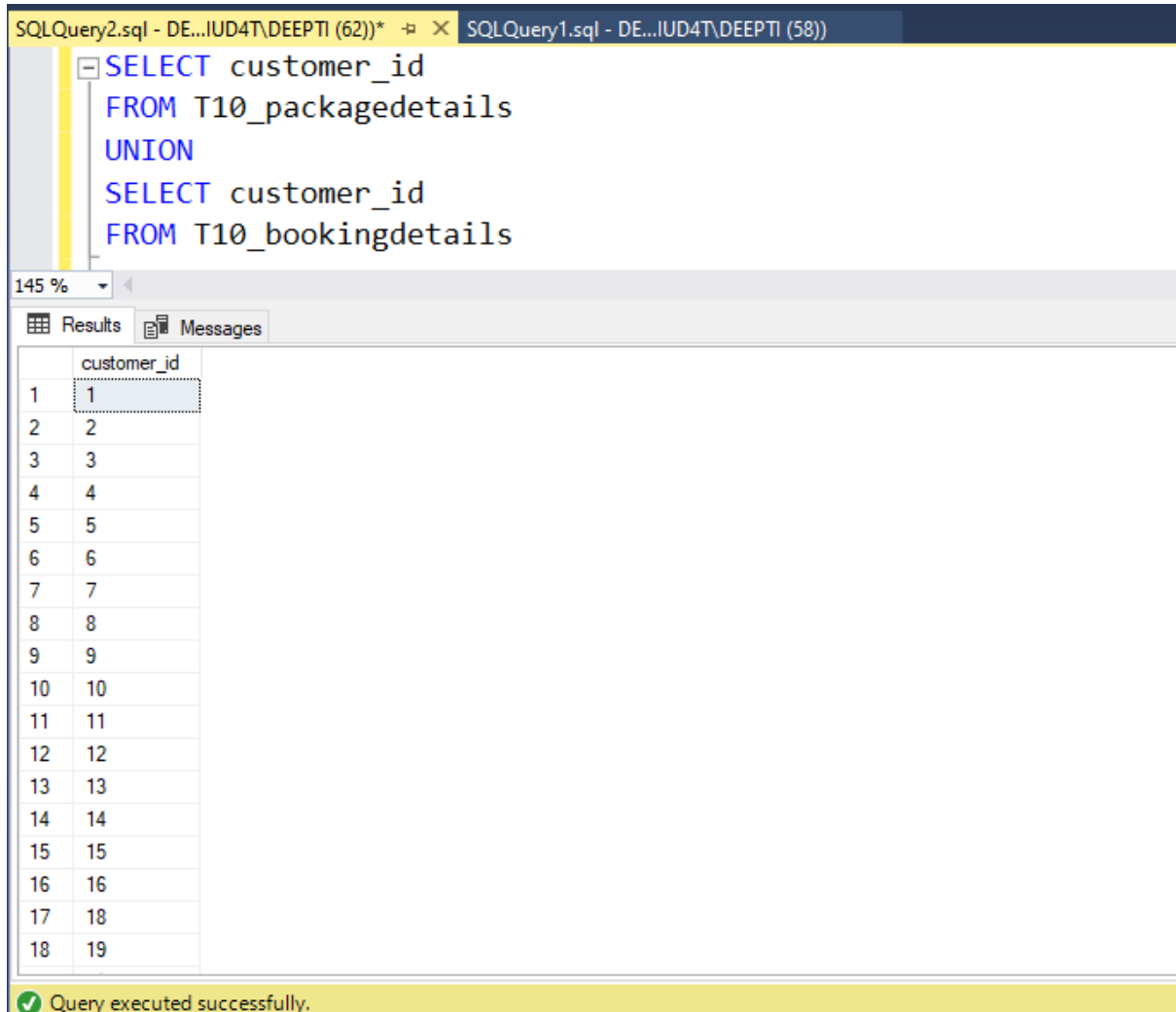
145 %

Results Messages

customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname
-------------	---------------	-----------------	----------------	-------------------	-------------------	------------------	-----	----------

Query executed successfully. DESKTOP-JTIUD4T

```
SELECT customer_id
FROM T10_packagedetails
UNION
SELECT customer_id
FROM T10_bookingdetails
```



SQLQuery2.sql - DE...IUD4T\DEEPTI (62))\* X SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

```
SELECT customer_id
FROM T10_packagedetails
UNION
SELECT customer_id
FROM T10_bookingdetails
```

145 %

Results Messages

	customer_id
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	18
18	19

Query executed successfully.

## ***7. INNER JOIN, LEFT OUTER JOIN, RIGHT OUTER JOIN- 3 queries for each instance***

```
SELECT customer_id
FROM T10_packagedetails
INTERSECT
SELECT customer_id
FROM T10_bookingdetails
```



SQLQuery2.sql - DE...IUD4T\DEEPTI (62)) \* SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

```

FROM T10_packagedetails
INTERSECT
SELECT customer_id
FROM T10_bookingdetails

```

145 %

Results Messages

	customer_id
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	18
18	19

Query executed successfully. DESKTOP-JTIUD4T

```

SELECT *
FROM T10_customerdetails AS customer
INNER JOIN
T10_bookingdetails AS booking
on customer.customer_id= booking.customer_id

```

SQLQuery2.sql - DE...IUD4T\DEEPTI (62)) \* SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

```

SELECT *
FROM T10_customerdetails AS customer
INNER JOIN
T10_bookingdetails AS booking
on customer.customer_id= booking.customer_id

```

145 %

Results Messages

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname	booking_id	booking_hotel_id	booking_type	booking_date	booking_title	booking_status
1	1	Amrutha	904517852	amrutha@gmail.com	Amrutha100	50451	Mumbai	NULL	Shetty	1	2000	online	22/02/2021	double	NULL
2	2	deepthi	9663410002	deepthi@gmail.com	deepthi	bat123	jaipur	NULL	NULL	2	2000	online	22/02/2021	double	NULL
3	3	roya	9563617876	roja123a@gmail.com	roya234	roila	banglore	NULL	NULL	3	2000	online	22/02/2021	double	NULL
4	4	markena	9663412002	markena@gmail.com	summu	chundur	kadapa	NULL	NULL	4	2000	offline	22/02/2021	double	NULL
5	5	chitra	9087654321	chitra@gmail.com	reddy123	manchi123	ongole	NULL	NULL	5	2000	online	22/02/2021	double	NULL
6	6	shruti	9456387432	shruti23@gmail.com	khandu123	shruu@	hubli	NULL	NULL	6	2000	offline	22/02/2021	double	NULL
7	7	deepthi	9656432890	deepthi@gmail.com	@1234	deepth890	belagavi	NULL	NULL	7	2000	online	22/02/2021	double	NULL
8	8	laxmi	9999417432	laxmi@gmail.com	laxmi@#788	laxmi@1234	manglore	NULL	NULL	8	2000	offline	22/02/2021	double	NULL
9	9	ieesha	9663421342	ieeshaa@gmail.com	ieesha@1gg	ai@eesae	koppula	NULL	NULL	9	2000	offline	22/02/2021	double	NULL
10	10	lisa	9663490909	lisa12@gmail.com	lizara@123	lisa@lizard	chikodi	NULL	NULL	10	2000	online	22/02/2021	double	NULL
11	11	Ammu	9090909092	ammumu@gmail.com	lammu123	ammu@123	bidar	NULL	NULL	11	2000	offline	22/02/2021	double	NULL
12	12	akhlap	9663243432	akhlap@gmail.com	laxmi@myface	akhile12	udaipur	NULL	NULL	12	2000	online	22/02/2021	double	NULL
13	13	sejal	9663463123	sejal@gmail.com	sejal@123	apple@123sejale	gorakpur	NULL	NULL	13	2000	offline	22/02/2021	double	NULL
14	14	karti	9034256123	pujara@gmail.com	kartikmana@12	karti@123	banglore	NULL	NULL	14	2000	online	22/02/2021	double	NULL
15	15	uma	9660017432	umasa@gmail.com	uma@123	apple@123	uttarakannada	NULL	NULL	15	2000	online	22/02/2021	double	NULL
16	16	mia	9678543232	.miamami@gmail.com	@132ni	aprdg23e	gokarana	NULL	NULL	16	2000	online	22/02/2021	double	NULL
17	17	sanjana	9028453442	sanjana@gmail.com	143@me	sanju12	mysore	NULL	NULL	18	2000	online	22/02/2021	double	NULL
18	18														

Query executed successfully. DESKTOP-JTIUD4T (15.0 RTM) DESKTOP-JTIUD4T\DEEPTI... T10\_TRAVEL 00:00:00 19 rows

```

SELECT *
FROM T10_bookingdetails AS customer
INNER JOIN
T10_packagedetails AS booking
on customer.customer_id= booking.customer_id

```

SQLQuery2.sql - DE...JUD4T,DEEPTI (62)\* - X SQLQuery1.sql - DE...JUD4T,DEEPTI (58))

```

FROM T10_bookingdetails AS customer
INNER JOIN
T10_packagedetails AS booking
on customer.customer_id= booking.customer_id

```

145 %

Results Messages

	booking_id	booking_hotel_id	booking_type	booking_date	booking_title	booking_description	customer_id	package_id	package_tour_id	package_name	package_amount	package_total	package_type	package_description	custo
1	1	2000	online	22/02/2021	double	NULL	1	10000	100000	hotel	500	600	business	NULL	1
2	2	2000	online	22/02/2021	double	NULL	2	10001	100000	hotel	500	700	beach	NULL	2
3	3	2000	online	22/02/2021	double	NULL	3	10002	100001	hotel	500	600	cultural	NULL	3
4	4	2000	offline	22/02/2021	double	NULL	4	10003	100000	hotel	500	600	beach	NULL	4
5	5	2000	online	22/02/2021	double	NULL	5	10004	100002	hotel	600	900	business	NULL	5
6	6	2000	offline	22/02/2021	double	NULL	6	10005	100002	hotel	1000	1200	cultural	NULL	6
7	7	2000	online	22/02/2021	double	NULL	7	10006	100000	hotel	1000	1300	business	NULL	7
8	8	2000	offline	22/02/2021	double	NULL	8	10007	100000	hotel	500	600	beach	NULL	8
9	9	2000	offline	22/02/2021	double	NULL	9	10008	100004	hotel	500	600	beach	NULL	9
10	10	2000	online	22/02/2021	double	NULL	10	10009	100003	hotel	500	800	business	NULL	10
11	11	2000	offline	22/02/2021	double	NULL	11	10010	100001	hotel	300	900	cultural	NULL	11
12	12	2000	online	22/02/2021	double	NULL	12	10011	100000	hotel	500	600	cultural	NULL	12
13	13	2000	offline	22/02/2021	double	NULL	13	10012	100002	hotel	400	1000	business	NULL	13
14	14	2000	online	22/02/2021	double	NULL	14	10013	100000	hotel	500	700	business	NULL	14
15	15	2000	online	22/02/2021	double	NULL	15	10014	100002	hotel	700	800	beach	NULL	15
16	16	2000	online	22/02/2021	double	NULL	16	10015	100000	hotel	100	600	cultural	NULL	16
17	18	2000	online	22/02/2021	double	NULL	18	10017	100000	hotel	500	600	cultural	NULL	18

Query executed successfully. DESKTOP-JTUD4T (15.0 RTM) DESKTOP-JTUD4T,DEEPTI... T10\_TRAVEL 00:00:00 19 rows

```

SELECT *
FROM T10_packagedetails AS customer
INNER JOIN
T10_bookingdetails AS booking
on customer.customer_id= booking.customer_id

```

SQLQuery2.sql - DE...JUD4T,DEEPTI (62)\* - X SQLQuery1.sql - DE...JUD4T,DEEPTI (58))

```

SELECT *
FROM T10_packagedetails AS customer
INNER JOIN
T10_bookingdetails AS booking
on customer.customer_id= booking.customer_id

```

145 %

Results Messages

	package_id	package_tour_id	package_name	package_amount	package_total	package_type	package_description	customer_id	booking_id	booking_hotel_id	booking_type	booking_date	booking_title	booking_description	custo
1	10000	100000	hotel	500	600	business	NULL	1	1	2000	online	22/02/2021	double	NULL	1
2	10001	100000	hotel	500	700	beach	NULL	2	2	2000	online	22/02/2021	double	NULL	2
3	10002	100001	hotel	500	600	cultural	NULL	3	3	2000	online	22/02/2021	double	NULL	3
4	10003	100000	hotel	500	600	beach	NULL	4	4	2000	offline	22/02/2021	double	NULL	4
5	10004	100002	hotel	600	900	business	NULL	5	5	2000	online	22/02/2021	double	NULL	5
6	10005	100002	hotel	1000	1200	cultural	NULL	6	6	2000	offline	22/02/2021	double	NULL	6
7	10006	100000	hotel	1000	1300	business	NULL	7	7	2000	online	22/02/2021	double	NULL	7
8	10007	100000	hotel	500	600	beach	NULL	8	8	2000	offline	22/02/2021	double	NULL	8
9	10008	100004	hotel	500	600	beach	NULL	9	9	2000	offline	22/02/2021	double	NULL	9
10	10009	100003	hotel	500	800	business	NULL	10	10	2000	online	22/02/2021	double	NULL	10
11	10010	100001	hotel	300	900	cultural	NULL	11	11	2000	offline	22/02/2021	double	NULL	11
12	10011	100000	hotel	500	600	cultural	NULL	12	12	2000	online	22/02/2021	double	NULL	12
13	10012	100002	hotel	400	1000	business	NULL	13	13	2000	offline	22/02/2021	double	NULL	13
14	10013	100000	hotel	500	700	business	NULL	14	14	2000	online	22/02/2021	double	NULL	14
15	10014	100002	hotel	700	800	beach	NULL	15	15	2000	online	22/02/2021	double	NULL	15
16	10015	100000	hotel	100	600	cultural	NULL	16	16	2000	online	22/02/2021	double	NULL	16
17	10017	100000	hotel	500	600	cultural	NULL	18	18	2000	online	22/02/2021	double	NULL	18

Query executed successfully. DESKTOP-JTUD4T (15.0 RTM) DESKTOP-JTUD4T,DEEPTI... T10\_TRAVEL 00:00:00 19 rows

```

SELECT *
FROM T10_packagedetails AS customer
LEFT OUTER JOIN
T10_bookingdetails AS booking
on customer.customer_id= booking.customer_id

```

SQLQuery2.sql - DE...JUD4T\DEEPTI (62)) \* SQLQuery1.sql - DE...JUD4T\DEEPTI (58))

```

SELECT *
FROM T10_packagedetails AS customer
LEFT OUTER JOIN
T10_bookingdetails AS booking
on customer.customer_id= booking.customer_id

```

145 %

	package_id	package_tour_id	package_name	package_amount	package_total	package_type	package_description	customer_id	booking_id	booking_hotel_id	booking_type	booking_date	booking_title	booking_description	customer_id
1	10000	100000	hotel	500	600	business	NULL	1	1	2000	online	22/02/2021	double	NULL	1
2	10001	100000	hotel	500	700	beach	NULL	2	2	2000	online	22/02/2021	double	NULL	2
3	10002	100001	hotel	500	600	cultural	NULL	3	3	2000	online	22/02/2021	double	NULL	3
4	10003	100000	hotel	500	600	beach	NULL	4	4	2000	offline	22/02/2021	double	NULL	4
5	10004	100002	hotel	600	900	business	NULL	5	5	2000	online	22/02/2021	double	NULL	5
6	10005	100002	hotel	1000	1200	cultural	NULL	6	6	2000	offline	22/02/2021	double	NULL	6
7	10006	100000	hotel	1000	1300	business	NULL	7	7	2000	online	22/02/2021	double	NULL	7
8	10007	100000	hotel	500	600	beach	NULL	8	8	2000	offline	22/02/2021	double	NULL	8
9	10008	100004	hotel	500	600	beach	NULL	9	9	2000	offline	22/02/2021	double	NULL	9
10	10009	100003	hotel	500	800	business	NULL	10	10	2000	online	22/02/2021	double	NULL	10
11	10010	100001	hotel	300	900	cultural	NULL	11	11	2000	offline	22/02/2021	double	NULL	11
12	10011	100000	hotel	500	600	cultural	NULL	12	12	2000	online	22/02/2021	double	NULL	12
13	10012	100002	hotel	400	1000	business	NULL	13	13	2000	offline	22/02/2021	double	NULL	13
14	10013	100000	hotel	500	700	business	NULL	14	14	2000	online	22/02/2021	double	NULL	14
15	10014	100002	hotel	700	800	beach	NULL	15	15	2000	online	22/02/2021	double	NULL	15
16	10015	100000	hotel	100	600	cultural	NULL	16	16	2000	online	22/02/2021	double	NULL	16
17	10017	100000	hotel	500	600	cultural	NULL	18	18	2000	online	22/02/2021	double	NULL	18

Query executed successfully. DESKTOP-JTIUD4T (15.0 RTM) DESKTOP-JTIUD4T\DEEPTI... T10\_TRAVEL 00:00:00 19 rows

```

SELECT *
FROM T10_bookingdetails AS customer
LEFT OUTER JOIN
T10_packagedetails AS booking
on customer.customer_id= booking.customer_id

```

SQLQuery2.sql - DE...JUD4T\DEEPTI (62)) \* SQLQuery1.sql - DE...JUD4T\DEEPTI (58))

```

SELECT *
FROM T10_bookingdetails AS customer
LEFT OUTER JOIN
T10_packagedetails AS booking
on customer.customer_id= booking.customer_id

```

145 %

	booking_id	booking_hotel_id	booking_type	booking_date	booking_title	booking_description	customer_id	package_id	package_tour_id	package_name	package_amount	package_total	package_type	package_description	customer_id
1	1	2000	online	22/02/2021	double	NULL	1	10000	100000	hotel	500	600	business	NULL	1
2	2	2000	online	22/02/2021	double	NULL	2	10001	100000	hotel	500	700	beach	NULL	2
3	3	2000	online	22/02/2021	double	NULL	3	10002	100001	hotel	500	600	cultural	NULL	3
4	4	2000	offline	22/02/2021	double	NULL	4	10003	100000	hotel	500	600	beach	NULL	4
5	5	2000	online	22/02/2021	double	NULL	5	10004	100002	hotel	600	900	business	NULL	5
6	6	2000	offline	22/02/2021	double	NULL	6	10005	100002	hotel	1000	1200	cultural	NULL	6
7	7	2000	online	22/02/2021	double	NULL	7	10006	100000	hotel	1000	1300	business	NULL	7
8	8	2000	offline	22/02/2021	double	NULL	8	10007	100000	hotel	500	600	beach	NULL	8
9	9	2000	offline	22/02/2021	double	NULL	9	10008	100004	hotel	500	600	beach	NULL	9
10	10	2000	online	22/02/2021	double	NULL	10	10009	100003	hotel	500	800	business	NULL	10
11	11	2000	offline	22/02/2021	double	NULL	11	10010	100001	hotel	300	900	cultural	NULL	11
12	12	2000	online	22/02/2021	double	NULL	12	10011	100000	hotel	500	600	cultural	NULL	12
13	13	2000	offline	22/02/2021	double	NULL	13	10012	100002	hotel	400	1000	business	NULL	13
14	14	2000	online	22/02/2021	double	NULL	14	10013	100000	hotel	500	700	business	NULL	14
15	15	2000	online	22/02/2021	double	NULL	15	10014	100002	hotel	700	800	beach	NULL	15
16	16	2000	online	22/02/2021	double	NULL	16	10015	100000	hotel	100	600	cultural	NULL	16
17	18	2000	online	22/02/2021	double	NULL	18	10017	100000	hotel	500	600	cultural	NULL	18

Query executed successfully. DESKTOP-JTIUD4T (15.0 RTM) DESKTOP-JTIUD4T\DEEPTI... T10\_TRAVEL 00:00:00 19 rows

```

SELECT *
FROM T10_customerdetails AS customer
LEFT OUTER JOIN
T10_bookingdetails AS booking
on customer.customer_id= booking.customer_id

```

SQLQuery2.sql - DE...JUD4T,DEEPTI (62) \* SQLQuery1.sql - DE...JUD4T,DEEPTI (58)

```

SELECT *
FROM T10_customerdetails AS customer
LEFT OUTER JOIN
T10_bookingdetails AS booking
on customer.customer_id= booking.customer_id

```

145 %

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname	booking_id	booking_hotel_id	booking_type	booking_date	booking_title	booking
1	1	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	Shetty	1	2000	online	22/02/2021	double	NULL
2	2	deepthi	9663410002	deepthi@gmail.com	bat123	bat123	jaipur	NULL	NULL	2	2000	online	22/02/2021	double	NULL
3	3	roxy	9563617876	roja123a@gmail.com	roxy234	roslia	banglore	NULL	NULL	3	2000	online	22/02/2021	double	NULL
4	4	markena	9663412002	markena@gmail.com	summu	chundur	kadapa	NULL	NULL	4	2000	offline	22/02/2021	double	NULL
5	5	chitra	9087654321	chitra@gmail.com	reddy123	manchi123	ongole	NULL	NULL	5	2000	online	22/02/2021	double	NULL
6	6	shruti	9456387432	shruti123@gmail.com	khandu123	shruu@	hubli	NULL	NULL	6	2000	offline	22/02/2021	double	NULL
7	7	deepthi	9656432890	deepthi@gmail.com	@1234	deepth890	belagavi	NULL	NULL	7	2000	online	22/02/2021	double	NULL
8	8	laxmi	9999417432	laxmi@gmail.com	laxmi@#788	laxmi@1234	nanlore	NULL	NULL	8	2000	offline	22/02/2021	double	NULL
9	9	ieesha	9663421342	ieeshaa@gmail.com	ieesha@1gg	ai@eesae	koppala	NULL	NULL	9	2000	offline	22/02/2021	double	NULL
10	10	lisa	9663490909	lisa12@gmail.com	lizars@123	lisa@lizard	chikodd	NULL	NULL	10	2000	online	22/02/2021	double	NULL
11	11	Ammu	9090909092	ammumu@gmail.com	laxmi123	ammu@123	bidar	NULL	NULL	11	2000	offline	22/02/2021	double	NULL
12	12	akhltp	9663243432	akhltp@gmail.com	laxmi@myface	akhile12	udaipur	NULL	NULL	12	2000	online	22/02/2021	double	NULL
13	13	sejal	9663463123	sejal@gmail.com	sejal@123	apple@123sejale	gorakpur	NULL	NULL	13	2000	offline	22/02/2021	double	NULL
14	14	karik	9034256123	pujara@gmail.com	karikmana@12	karik@123	banglore	NULL	NULL	14	2000	online	22/02/2021	double	NULL
15	15	uma	9660017432	umasa@gmail.com	uma@123	apple@123	uttarakannada	NULL	NULL	15	2000	online	22/02/2021	double	NULL
16	16	mia	9678543232	miamami@gmail.com	@132mi	aprdg23e	gokarna	NULL	NULL	16	2000	online	22/02/2021	double	NULL
17	18	sanjana	9028453442	sanjana@gmail.com	143@me	sanjuQ12	nysore	NULL	NULL	18	2000	online	22/02/2021	double	NULL

Query executed successfully. DESKTOP-JTUD4T (15.0 RTM) DESKTOP-JTUD4T,DEEPTI... T10\_TRAVEL 00:00:00 23 rows

```

SELECT *
FROM T10_customerdetails AS customer
RIGHT OUTER JOIN
T10_bookingdetails AS booking
on customer.customer_id= booking.customer_id

```

SQLQuery2.sql - DE...JUD4T,DEEPTI (62) \* SQLQuery1.sql - DE...JUD4T,DEEPTI (58)

```

SELECT *
FROM T10_customerdetails AS customer
RIGHT OUTER JOIN
T10_bookingdetails AS booking
on customer.customer_id= booking.customer_id

```

145 %

	customer_id	customer_name	customer_mobile	customer_email	customer_username	customer_password	customer_address	age	lastname	booking_id	booking_hotel_id	booking_type	booking_date	booking_title	booking
1	1	Amrutha	904517852	amrutha@gmail.com	Amrutha100	90451	Mumbai	NULL	Shetty	1	2000	online	22/02/2021	double	NULL
2	2	deepthi	9663410002	deepthi@gmail.com	bat123	bat123	jaipur	NULL	NULL	2	2000	online	22/02/2021	double	NULL
3	3	roxy	9563617876	roja123a@gmail.com	roxy234	roslia	banglore	NULL	NULL	3	2000	online	22/02/2021	double	NULL
4	4	markena	9663412002	markena@gmail.com	summu	chundur	kadapa	NULL	NULL	4	2000	offline	22/02/2021	double	NULL
5	5	chitra	9087654321	chitra@gmail.com	reddy123	manchi123	ongole	NULL	NULL	5	2000	online	22/02/2021	double	NULL
6	6	shruti	9456387432	shruti123@gmail.com	khandu123	shruu@	hubli	NULL	NULL	6	2000	offline	22/02/2021	double	NULL
7	7	deepthi	9656432890	deepthi@gmail.com	@1234	deepth890	belagavi	NULL	NULL	7	2000	online	22/02/2021	double	NULL
8	8	laxmi	9999417432	laxmi@gmail.com	laxmi@#788	laxmi@1234	nanlore	NULL	NULL	8	2000	offline	22/02/2021	double	NULL
9	9	ieesha	9663421342	ieeshaa@gmail.com	ieesha@1gg	ai@eesae	koppala	NULL	NULL	9	2000	offline	22/02/2021	double	NULL
10	10	lisa	9663490909	lisa12@gmail.com	lizars@123	lisa@lizard	chikodd	NULL	NULL	10	2000	online	22/02/2021	double	NULL
11	11	Ammu	9090909092	ammumu@gmail.com	laxmi123	ammu@123	bidar	NULL	NULL	11	2000	offline	22/02/2021	double	NULL
12	12	akhltp	9663243432	akhltp@gmail.com	laxmi@myface	akhile12	udaipur	NULL	NULL	12	2000	online	22/02/2021	double	NULL
13	13	sejal	9663463123	sejal@gmail.com	sejal@123	apple@123sejale	gorakpur	NULL	NULL	13	2000	offline	22/02/2021	double	NULL
14	14	karik	9034256123	pujara@gmail.com	karikmana@12	karik@123	banglore	NULL	NULL	14	2000	online	22/02/2021	double	NULL
15	15	uma	9660017432	umasa@gmail.com	uma@123	apple@123	uttarakannada	NULL	NULL	15	2000	online	22/02/2021	double	NULL
16	16	mia	9678543232	miamami@gmail.com	@132mi	aprdg23e	gokarna	NULL	NULL	16	2000	online	22/02/2021	double	NULL
17	18	sanjana	9028453442	sanjana@gmail.com	143@me	sanjuQ12	nysore	NULL	NULL	18	2000	online	22/02/2021	double	NULL

Query executed successfully. DESKTOP-JTUD4T (15.0 RTM) DESKTOP-JTUD4T,DEEPTI... T10\_TRAVEL 00:00:00 19 rows

```

SELECT *
FROM T10_bookingdetails AS customer
RIGHT OUTER JOIN
T10_packagedetails AS booking
on customer.customer_id= booking.customer_id

```

SQLQuery2.sql - DE...JUD4T\DEEPTI (62)\* SQLQuery1.sql - DE...JUD4T\DEEPTI (58)

```

SELECT *
FROM T10_bookingdetails AS customer
RIGHT OUTER JOIN
T10_packagedetails AS booking
on customer.customer_id= booking.customer_id

```

145 %

	booking_id	booking_hotel_id	booking_type	booking_date	booking_title	booking_description	customer_id	package_id	package_tour_id	package_name	package_amount	package_total	package_type	package_description	custo
1	1	2000	online	22/02/2021	double	NULL	1	10000	100000	hotel	500	600	business	NULL	1
2	2	2000	online	22/02/2021	double	NULL	2	10001	100000	hotel	500	700	beach	NULL	2
3	3	2000	online	22/02/2021	double	NULL	3	10002	100001	hotel	500	600	cultural	NULL	3
4	4	2000	offline	22/02/2021	double	NULL	4	10003	100000	hotel	500	600	beach	NULL	4
5	5	2000	online	22/02/2021	double	NULL	5	10004	100002	hotel	600	900	business	NULL	5
6	6	2000	offline	22/02/2021	double	NULL	6	10005	100002	hotel	1000	1200	cultural	NULL	6
7	7	2000	online	22/02/2021	double	NULL	7	10006	100000	hotel	1000	1300	business	NULL	7
8	8	2000	offline	22/02/2021	double	NULL	8	10007	100000	hotel	500	600	beach	NULL	8
9	9	2000	offline	22/02/2021	double	NULL	9	10008	100004	hotel	500	600	beach	NULL	9
10	10	2000	online	22/02/2021	double	NULL	10	10009	100003	hotel	500	800	business	NULL	10
11	11	2000	offline	22/02/2021	double	NULL	11	10010	100001	hotel	300	900	cultural	NULL	11
12	12	2000	online	22/02/2021	double	NULL	12	10011	100000	hotel	500	600	cultural	NULL	12
13	13	2000	offline	22/02/2021	double	NULL	13	10012	100002	hotel	400	1000	business	NULL	13
14	14	2000	online	22/02/2021	double	NULL	14	10013	100000	hotel	500	700	business	NULL	14
15	15	2000	online	22/02/2021	double	NULL	15	10014	100002	hotel	700	800	beach	NULL	15
16	16	2000	online	22/02/2021	double	NULL	16	10015	100000	hotel	100	600	cultural	NULL	16
17	18	2000	online	22/02/2021	double	NULL	18	10017	100000	hotel	500	600	cultural	NULL	18

Query executed successfully. DESKTOP-JTUD4T (15.0 RTM) DESKTOP-JTUD4T\DEEPTI... T10\_TRAVEL 00:00:00 19 rows

```

SELECT *
FROM T10_packagedetails AS customer
RIGHT OUTER JOIN
T10_bookingdetails AS booking
on customer.customer_id= booking.customer_id

```

SQLQuery2.sql - DE...JUD4T\DEEPTI (62)\* SQLQuery1.sql - DE...JUD4T\DEEPTI (58)

```

SELECT *
FROM T10_packagedetails AS customer
RIGHT OUTER JOIN
T10_bookingdetails AS booking
on customer.customer_id= booking.customer_id

```

145 %

	booking_id	booking_hotel_id	booking_type	booking_date	booking_title	booking_description	customer_id	package_id	package_tour_id	package_name	package_amount	package_total	package_type	package_description	custo
1	1	2000	online	22/02/2021	double	NULL	1	10000	100000	hotel	500	600	business	NULL	1
2	2	2000	online	22/02/2021	double	NULL	2	10001	100000	hotel	500	700	beach	NULL	2
3	3	2000	online	22/02/2021	double	NULL	3	10002	100001	hotel	500	600	cultural	NULL	3
4	4	2000	offline	22/02/2021	double	NULL	4	10003	100000	hotel	500	600	beach	NULL	4
5	5	2000	online	22/02/2021	double	NULL	5	10004	100002	hotel	600	900	business	NULL	5
6	6	2000	offline	22/02/2021	double	NULL	6	10005	100002	hotel	1000	1200	cultural	NULL	6
7	7	2000	online	22/02/2021	double	NULL	7	10006	100000	hotel	1000	1300	business	NULL	7
8	8	2000	offline	22/02/2021	double	NULL	8	10007	100000	hotel	500	600	beach	NULL	8
9	9	2000	offline	22/02/2021	double	NULL	9	10008	100004	hotel	500	600	beach	NULL	9
10	10	2000	online	22/02/2021	double	NULL	10	10009	100003	hotel	500	800	business	NULL	10
11	11	2000	offline	22/02/2021	double	NULL	11	10010	100001	hotel	300	900	cultural	NULL	11
12	12	2000	online	22/02/2021	double	NULL	12	10011	100000	hotel	500	600	cultural	NULL	12
13	13	2000	offline	22/02/2021	double	NULL	13	10012	100002	hotel	400	1000	business	NULL	13
14	14	2000	online	22/02/2021	double	NULL	14	10013	100000	hotel	500	700	business	NULL	14
15	15	2000	online	22/02/2021	double	NULL	15	10014	100002	hotel	700	800	beach	NULL	15
16	16	2000	online	22/02/2021	double	NULL	16	10015	100000	hotel	100	600	cultural	NULL	16
17	18	2000	online	22/02/2021	double	NULL	18	10017	100000	hotel	500	600	cultural	NULL	18

Query executed successfully. DESKTOP-JTUD4T (15.0 RTM) DESKTOP-JTUD4T\DEEPTI... T10\_TRAVEL 00:00:00 19 rows

## 8. Use all the above condition in JOIN as well.

```

use T10_TRAVEL
SELECT package_type, SUM(package_amount) AS Amount, MIN(package_total) AS
Total_Min, AVG(package_tour_id) AS Tour_id, MAX(package_total) AS Total_Max
FROM T10_packagedetails AS customer
JOIN
T10_bookingdetails AS booking
on customer.customer_id=booking.customer_id
GROUP BY package_type
HAVING package_type LIKE '___%'
ORDER BY package_type ASC;

```

SQLQuery2.sql - DE...IUD4T\DEEPTI (62))

SQLQuery1.sql - DE...IUD4T\DEEPTI (58))

use T10\_TRAVEL

SELECT package\_type, SUM(package\_amount) AS Amount ,MIN(package\_total) AS Total\_Min,AVG(package\_tour\_id)AS Tour\_id,MAX(p

FROM T10\_packagedetails AS customer

JOIN

T10\_bookingdetails AS booking

145 %

Results Messages

	package_type	Amount	Total_Min	Tour_id	Total_Max
1	beach	2700	600	100001	800
2	business	3800	600	100001	1300
3	cultural	3400	600	100001	1200

Query executed successfully.

DESKTOP-JTIUD4T (15.0 RTM) | DESKTOP-JTIUD4T\DEEPTI... | T10\_TRAVEL | 00:00:00 | 3 rows