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Roll No:- 27

Class:-FYCS

Subject:- Data Base Management system

## ASSIGNMENT NO:- 2

A) Create the following table as client\_yourname eg. Client\_gautam

The screenshot displays the Oracle Live SQL web application. The browser tab is titled "Oracle Live SQL - SQL Worksheet". The address bar shows the URL: `livesql.oracle.com/apex/f?p=590:1:1741378375664:NO::`. The page header includes the "Live SQL" logo, a "Feedback" link, a "Help" link, and a user profile icon for "gmandaliya123@gmail.com". The main content area is titled "SQL Worksheet" and contains a single line of SQL code: `1 create table client_gautam(client_no char(6) primary key, c_name varchar(20) not null, phone int unique, city varchar(15) constraint cha check(city IN ('Mumbai','Pune','Delhi','Mashik')), pincode int, Gender varchar(1) constraint chb check(gender='F' or gender='M'), state varchar(20))`. Below the code editor, a message states "Table created." The footer of the page includes the Oracle logo, "Integrated Cloud" branding, and copyright information: "© 2021 Oracle Corporation - Privacy - Terms of Use". It also lists links for "Oracle Learning Library - Ask Tom - Dev Gym - Database Doc 19c, 18c, 12c - Follow on Twitter", "Live SQL 204.2, running Oracle Database 19c Enterprise Edition - 19.8.0.0.0", and "Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine". The Windows taskbar at the bottom shows the search bar and several application icons, with the system clock indicating 08:41 on 10-03-2021.

B) Insert 10 meaningful records in above table.

The screenshot shows the Oracle Live SQL interface. At the top, there's a navigation bar with 'Live SQL' and user information. Below it, the 'SQL Worksheet' section contains a query editor with the text 'select \* from client\_gautam;'. Below the editor, a table of 10 rows is displayed. The table has columns: CLIENT\_NO, C\_NAME, PHONE, CITY, PINCODE, GENDER, STATE, and AGE. The data is as follows:

CLIENT_NO	C_NAME	PHONE	CITY	PINCODE	GENDER	STATE	AGE
345678	Abdulla	3456789012	Delhi	345678	M	Maharashtra	23
567890	Shilpa	5678901234	Mumbai	567890	F	Gujarat	26
789012	Panda	7890123456	Delhi	789012	F	Maharashtra	29
901234	Gautam	9012345678	Mumbai	901234	M	Gujarat	26
123456	Heeta	1234567890	Mumbai	123456	M	Gujarat	19
678901	Humbra	6789012345	Pune	678901	M	Gujarat	23
234567	Karishma	2345678901	Pune	234567	F	Maharashtra	20
012345	Aayusha	123456789	Pune	12345	F	Maharashtra	30
456789	Ona	4567890123	Nashik	456789	M	Maharashtra	18
890123	Aadil	8901234567	Nashik	890123	M	Gujarat	18

Below the table, it says 'Download CSV' and '10 rows selected.' At the bottom, there's a footer with Oracle logo and copyright information.

C) Answer Following Queries.

1. Display the details of all the clients

This screenshot is identical to the one above, showing the Oracle Live SQL interface with the same query and table of client data.

2. Display the total number of clients whose age is in the range of 18 and 29.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select count(*) from client_gautam
2 where AGE between 18 and 29
```

The results pane displays a single row with the value 7 under the column header COUNT(\*). Below the results, there is a "Download CSV" link.

The footer of the interface includes the Oracle logo, "Integrated Cloud" text, and copyright information: "© 2021 Oracle Corporation - Privacy - Terms of Use". It also mentions "Oracle Learning Library - Ask Tom - Dev Gyn - Database Doc 18c, 19c, 21c - Follow on Twitter" and "Live SQL 204.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0".

3. Display the total number of clients according to cities.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select count(CITY) from client_gautam
2 group by CITY
```

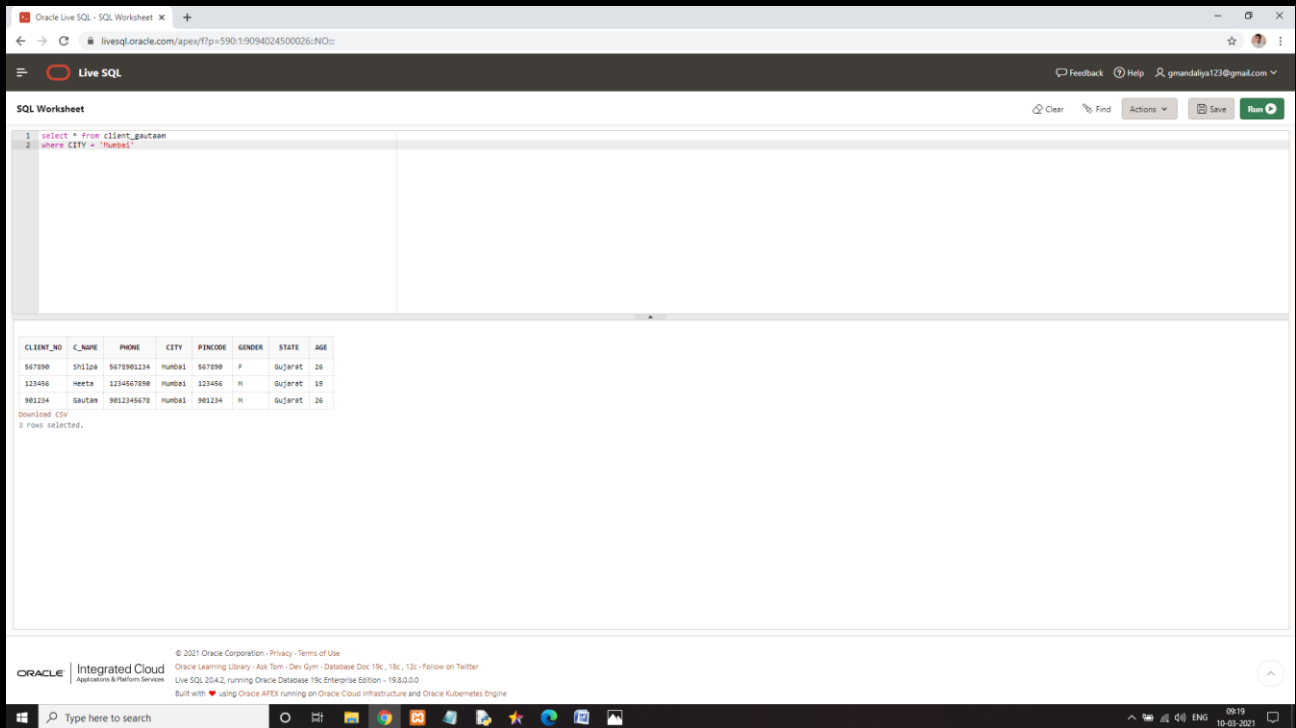
The results pane displays a table with two columns: COUNT(CITY) and CITY. The data is as follows:

COUNT(CITY)	CITY
3	...
2	...
2	...
3	...

Below the results, there is a "Download CSV" link and a message "4 rows selected".

The footer of the interface includes the Oracle logo, "Integrated Cloud" text, and copyright information: "© 2021 Oracle Corporation - Privacy - Terms of Use". It also mentions "Oracle Learning Library - Ask Tom - Dev Gyn - Database Doc 18c, 19c, 21c - Follow on Twitter" and "Live SQL 204.2, running Oracle Database 19c Enterprise Edition - 19.0.0.0".

#### 4. Display the details of the clients who resides in Mumbai.



Oracle Live SQL - SQL Worksheet

livesql.oracle.com/apex/?p=590:19094024500026:NO::

Live SQL

SQL Worksheet

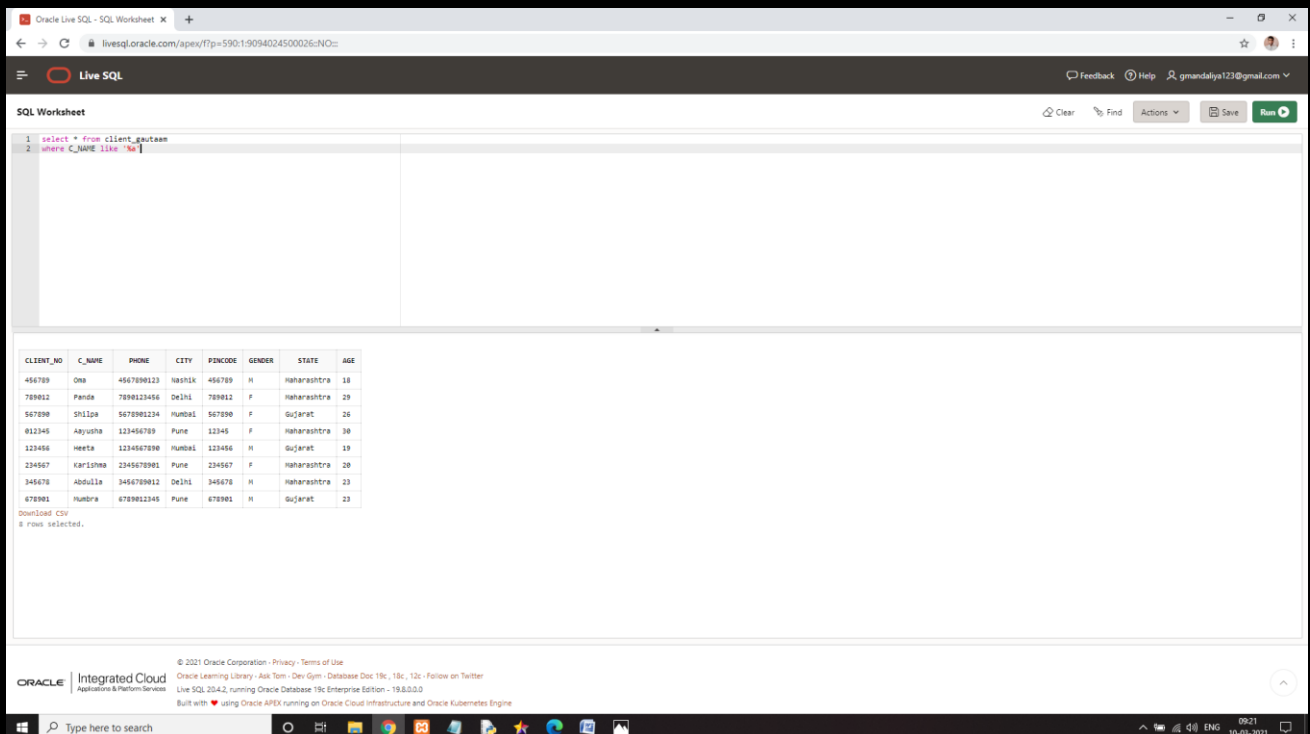
```
1 select * from client_guttaam
2 where CITY = 'Mumbai';
```

CLIENT_NO	C_NAME	PHONE	CITY	PINCODE	GENDER	STATE	AGE
567890	Shilpa	5678901234	Mumbai	567890	F	Gujarat	26
123456	Heeta	1234567890	Mumbai	123456	M	Gujarat	19
901234	Gautam	9012345678	Mumbai	901234	M	Gujarat	20

Download CSV  
3 rows selected.

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#### 5. Display the details of the client whose name ends with A.



Oracle Live SQL - SQL Worksheet

livesql.oracle.com/apex/?p=590:19094024500026:NO::

Live SQL

SQL Worksheet

```
1 select * from client_guttaam
2 where C_NAME like '%A';
```

CLIENT_NO	C_NAME	PHONE	CITY	PINCODE	GENDER	STATE	AGE
456789	Ona	4567890123	Nashik	456789	M	Maharashtra	18
789012	Panda	7890123456	Delhi	789012	F	Maharashtra	29
567890	Shilpa	5678901234	Mumbai	567890	F	Gujarat	26
012345	Aryvna	123456789	Pune	12345	F	Maharashtra	30
123456	Heeta	1234567890	Mumbai	123456	M	Gujarat	19
234567	Karisma	2345678901	Pune	234567	F	Maharashtra	20
345678	Abdulla	3456789012	Delhi	345678	M	Maharashtra	23
678901	Humbra	6789012345	Pune	678901	M	Gujarat	23

Download CSV  
8 rows selected.

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## 6. Display the unique client names of the client.

The screenshot shows the Oracle Live SQL Worksheet interface. The SQL editor contains the query: `1 select distinct C_NAME from client_gautam`. Below the editor, the results are displayed as a table with one column, `C_NAME`, and 10 rows of data. The results are: `humbra`, `adill`, `heeta`, `abdulla`, `karisma`, `ona`, `shilpa`, `ayusha`, `gautam`, and `parth`. A download CSV button is visible below the results. The footer shows the Oracle logo, Integrated Cloud logo, and copyright information for 2021 Oracle Corporation.

C_NAME
humbra
adill
heeta
abdulla
karisma
ona
shilpa
ayusha
gautam
parth

## 7. Display the details of the client with missing phone no.

The screenshot shows the Oracle Live SQL Worksheet interface. The SQL editor contains the query: `1 select * from client_gautam` and `2 where PHONE is null`. Below the editor, the results are displayed as a table with the message "no data found". The footer shows the Oracle logo, Integrated Cloud logo, and copyright information for 2021 Oracle Corporation.

no data found
---------------

## 8. Display the details of the client in ascending order of their names.

The screenshot shows the Oracle Live SQL Worksheet interface. The SQL query entered is:

```
1 select * from client_gautam
2 order by c_name asc
```

The results are displayed in a table with the following columns: CLIENT\_NO, C\_NAME, PHONE, CITY, PINCODE, GENDER, STATE, and AGE. There are 10 rows of data.

CLIENT_NO	C_NAME	PHONE	CITY	PINCODE	GENDER	STATE	AGE
890123	Aadi	8901234567	Nashik	890123	M	Gujarat	18
812345	Akshita	123456789	Pune	12345	F	Maharashtra	30
345678	Abhijit	3456789012	Delhi	345678	M	Maharashtra	23
901234	Gautam	9012345678	Mumbai	901234	M	Gujarat	26
123456	Heeta	1234567890	Mumbai	123456	M	Gujarat	19
234567	Karishma	2345678901	Pune	234567	F	Maharashtra	20
678901	Humbra	6789012345	Pune	678901	M	Gujarat	23
456789	Oma	4567890123	Nashik	456789	M	Maharashtra	15
789012	Panda	7890123456	Delhi	789012	F	Maharashtra	29
567890	Shilpa	5678901234	Mumbai	567890	F	Gujarat	26

Download CSV  
10 rows selected.

## 9. Display the total number of female clients.

The screenshot shows the Oracle Live SQL Worksheet interface. The SQL query entered is:

```
1 select count(GENDER) from client_gautam
2 group by GENDER
```

The results are displayed in a table with the following columns: COUNT(GENDER). There are 2 rows of data.

COUNT(GENDER)
6
4

Download CSV  
2 rows selected.

10. Display the details of the client whose age is greater than 25 and are female.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select * from client_gustam
2 where AGE > 25 and GENDER = 'F'
```

The results are displayed in a table with the following data:

CLIENT_NO	C_NAME	PHONE	CITY	PINCODE	GENDER	STATE	AGE
789812	Panda	7898123456	Delhi	789812	F	Maharashtra	29
567890	Shilpa	5678901234	Mumbai	567890	F	Gujarat	26
912345	Aayusha	123456789	Pune	12345	F	Maharashtra	30

Download CSV  
3 rows selected.

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11. Update the age of client to 22 whose age is 19.

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 update client_gustam
2 set AGE=22
3 where AGE=19
```

The results are displayed as:

1 row(s) updated.

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## 12. Update the gender to F who reside in Pune.

The screenshot shows the Oracle Live SQL interface in a web browser. The browser's address bar displays the URL: `livesql.oracle.com/apex/?p=5901:9094024500026:NO::`. The page header includes the Oracle Live SQL logo, a feedback icon, a help icon, and a user profile icon for `gmandalya123@gmail.com`. The main content area is titled "SQL Worksheet" and contains the following SQL query:

```
1 update client_gautam
2 set GENDER='F'
3 where CITY='Pune'
```

Below the query editor, a status message indicates: "3 row(s) updated." The footer of the page contains Oracle Corporation copyright information, version details (Live SQL 204.2, Oracle Database 19c Enterprise Edition - 19.0.0.0), and a note about the Oracle APEX engine. The Windows taskbar at the bottom shows the search bar and various application icons.

## 13. Delete the records of the client who are located in Delhi.

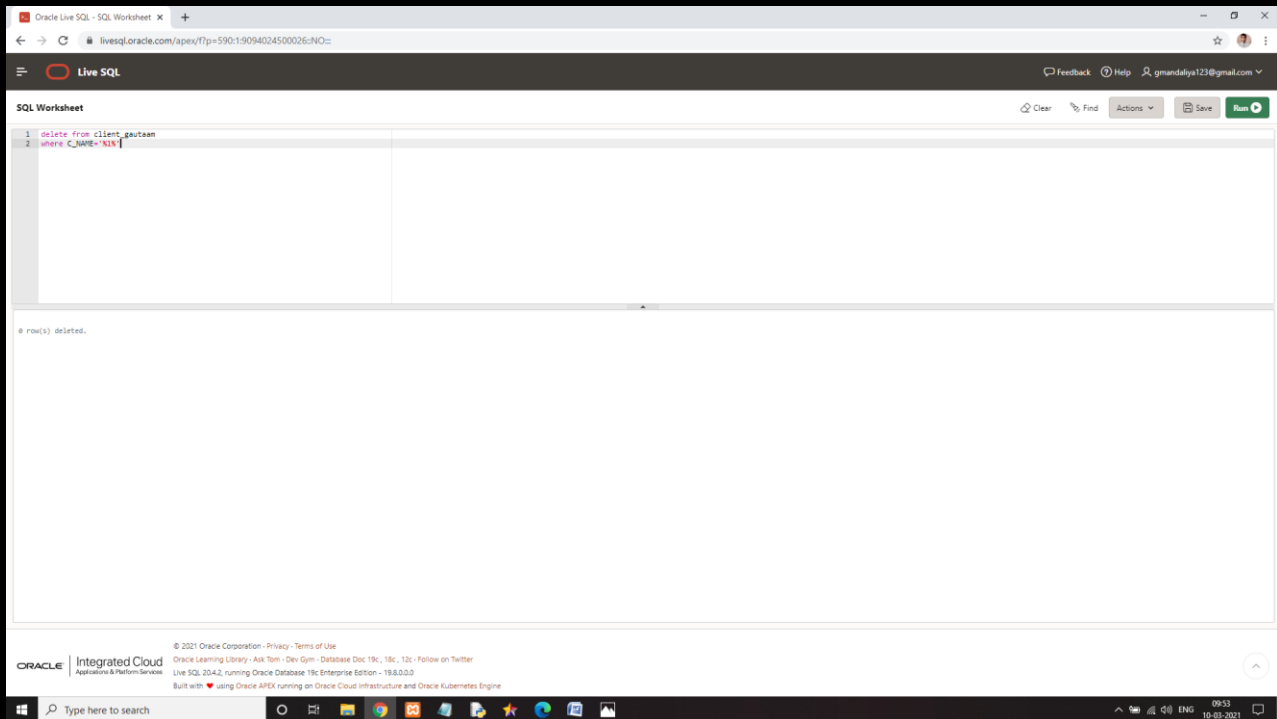
The screenshot shows the Oracle Live SQL interface in a web browser. The browser's address bar displays the URL: `livesql.oracle.com/apex/?p=5901:9094024500026:NO::`. The page header includes the Oracle Live SQL logo, a feedback icon, a help icon, and a user profile icon for `gmandalya123@gmail.com`. The main content area is titled "SQL Worksheet" and contains the following SQL query:

```
1 delete from client_gautam
2 where CITY='Delhi'
```

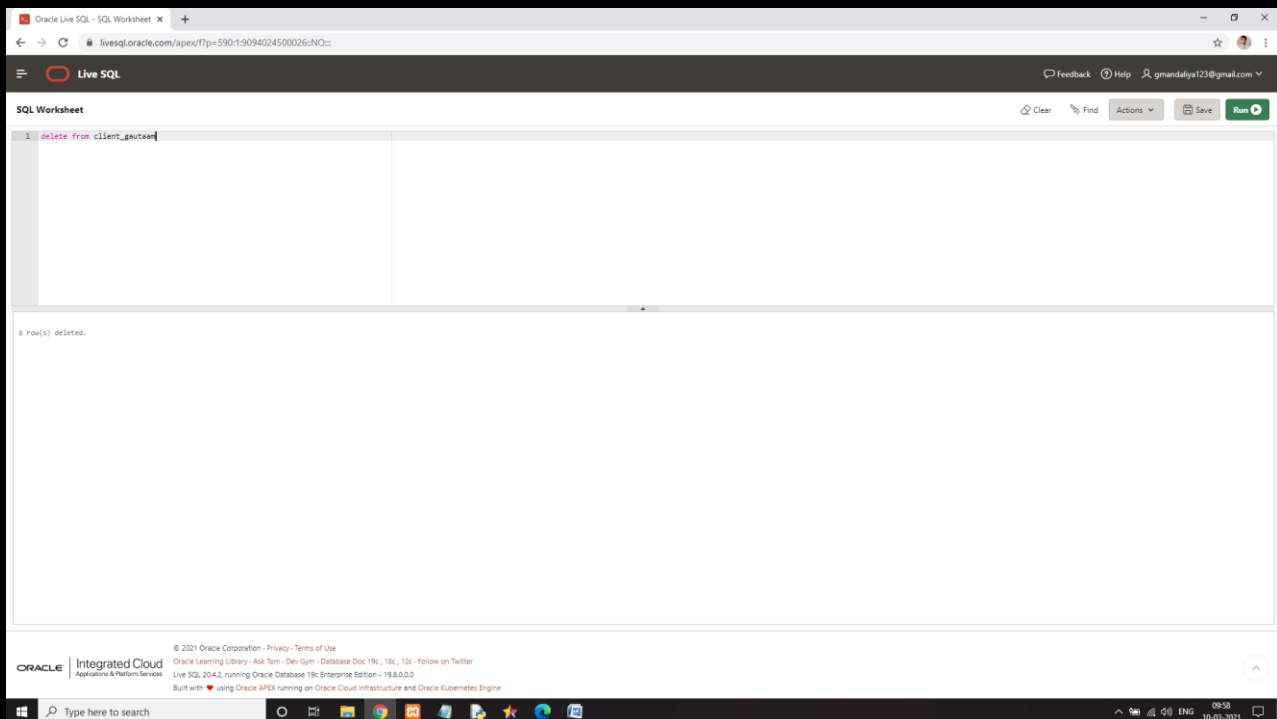
Below the query editor, a status message indicates: "2 row(s) deleted." The footer of the page contains Oracle Corporation copyright information, version details (Live SQL 204.2, Oracle Database 19c Enterprise Edition - 19.0.0.0), and a note about the Oracle APEX engine. The Windows taskbar at the bottom shows the search bar and various application icons.



14. Delete the records of client having L in their names.



15. Delete all the records from the table.



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