



**Btech CSE Session 2023-24**

## **DBMS Assignment 1**

Submitted By:

Vibhu Dixit

2<sup>nd</sup> year Odd semester

Section B

Roll no.:2215001940 (46)

Submitted to:

Nikhil Govil Sir

# Answer1

The screenshot shows the Live SQL web application. The SQL query entered is `select sname,dob from student46;`. The results are displayed in a table with two columns: `sname` and `dob`. The table contains five rows of data. Below the table is a 'Download CSV' button and a status message '12 rows selected.'. The footer indicates the application is running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0.

sname	dob
Heleen	27-MAR-97
Irene	07-MAR-96
Jay	08-AUG-98
Amy	26-MAY-96
Craig	27-AUG-98

# Answer2

The screenshot shows the Live SQL web application with a filtered query: `select sname from student46 where gpa>3.7;`. The results are displayed in a table with one column: `sname`. The table contains five rows of data. Below the table is a 'Download CSV' button and a status message '5 rows selected.'. The footer indicates the application is running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0.

sname
Amy
Doris
Fay
Irene
Amy

## Answer3

The screenshot shows the Live SQL interface with the following details:

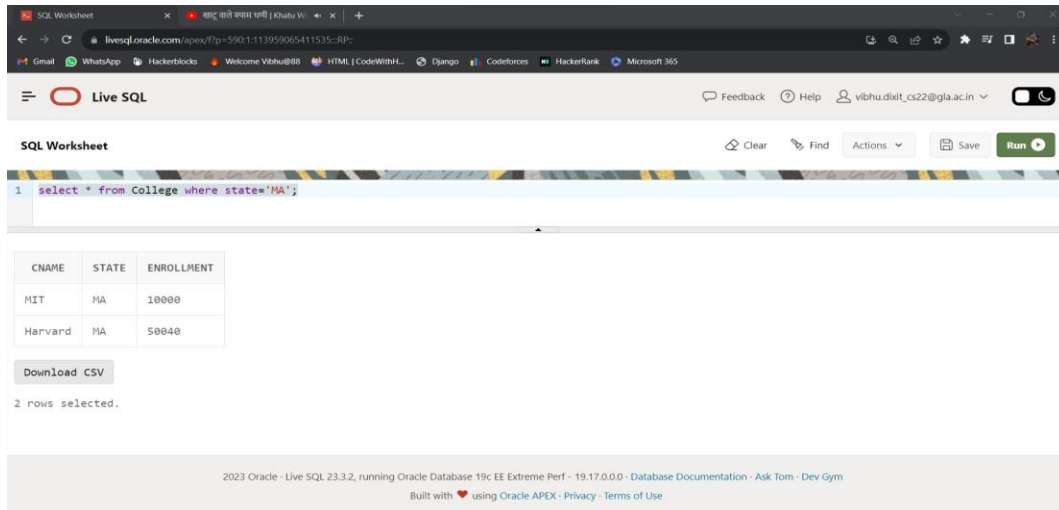
- Query:** `select sname from student46 where sizeHS>=1000 and dob>'01-Jan-1996';`
- Results:** A table with 6 rows containing student names: Doris, Edward, Jay, Amy, and Craig.
- Status:** 6 rows selected.
- Footer:** 2023 Oracle · Live SQL 23.3.2, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 · Database Documentation · Ask Tom · Dev Gym. Built with ❤️ using Oracle APEX · Privacy · Terms of Use.

## Answer4

The screenshot shows the Live SQL interface with the following details:

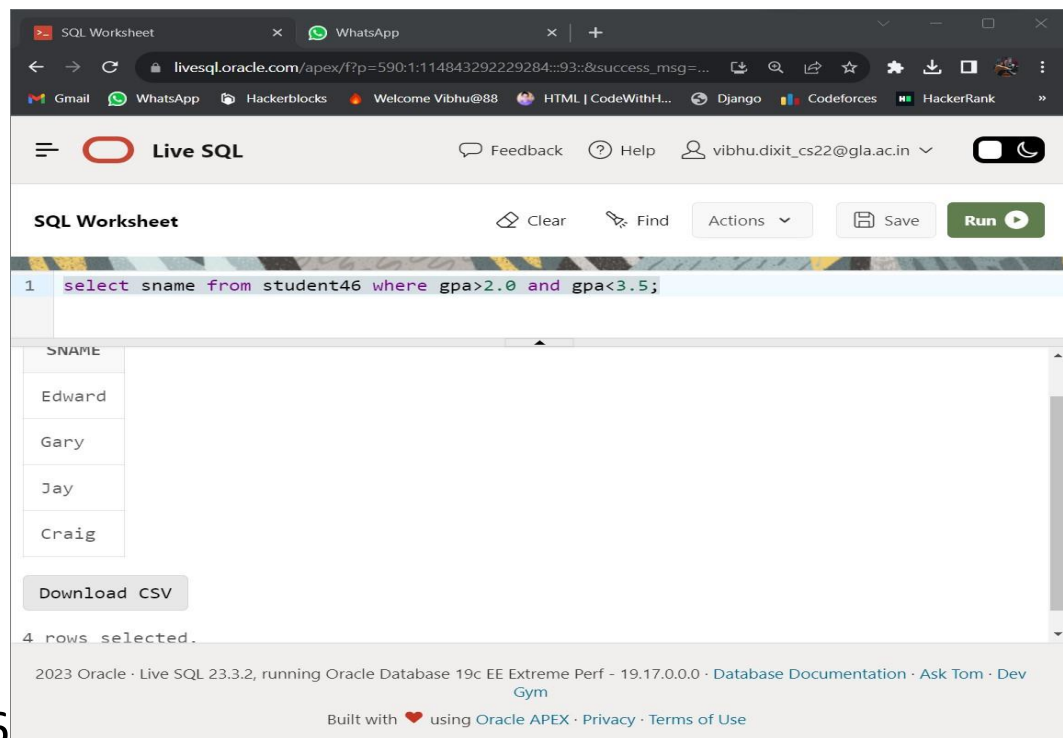
- Query:** `select sname from student46 where gpa>2.9 and gpa<3.9;`
- Results:** A table with 6 rows containing student names: Craig, Fay, Gary, Helen, and Craig.
- Status:** 6 rows selected.
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## Answer5



The screenshot shows the Live SQL interface with the following components:

- Header:** "Live SQL" logo, "Feedback", "Help", and a user profile "vibhu.dixit\_cs22@glia.ac.in".
- SQL Worksheet:** Includes "Clear", "Find", "Actions", "Save", and "Run" buttons.
- Query:** `1 select * from College where states='MA';`
- Results:** A table with 3 columns: CNAME, STATE, and ENROLLMENT. It contains 2 rows: MIT (MA, 10000) and Harvard (MA, 50040).
- Buttons:** "Download CSV" and "2 rows selected."
- Footer:** "2023 Oracle · Live SQL 23.3.2, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 · Database Documentation · Ask Tom · Dev Gym. Built with ❤️ using Oracle APEX · Privacy · Terms of Use".



The screenshot shows the Live SQL interface with the following components:

- Header:** "Live SQL" logo, "Feedback", "Help", and a user profile "vibhu.dixit\_cs22@glia.ac.in".
- SQL Worksheet:** Includes "Clear", "Find", "Actions", "Save", and "Run" buttons.
- Query:** `1 select sname from student46 where gpa>2.0 and gpa<3.5;`
- Results:** A table with 1 column: SNAME. It contains 4 rows: Edward, Gary, Jay, and Craig.
- Buttons:** "Download CSV" and "4 rows selected."
- Footer:** "2023 Oracle · Live SQL 23.3.2, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 · Database Documentation · Ask Tom · Dev Gym. Built with ❤️ using Oracle APEX · Privacy · Terms of Use".

## Answer6

## Answer7

The screenshot shows the Live SQL interface with the following query and results:

```
1 select sname from student46 where dob > '1-Jul-1996' order by dob;
```

Helen
Doris
Jay
Craig

Download CSV

7 rows selected.

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## Answer8

The screenshot shows the Live SQL interface with the following query and results:

```
1 select sid,cname,decision from Apply where decision='Y';
```

SID	CNAME	DECISION
123	Stanford	Y
123	Berkeley	Y
123	Cornell	Y
345	MIT	Y
345	Cornell	Y
678	Stanford	Y

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## Answer9

The screenshot shows the Live SQL interface with the following details:

- SQL Worksheet:** The query entered is `select sid,cname from Apply where cname='Stanford';`
- Results:** A table with 6 rows is displayed, all containing the name 'Stanford'.
- Download CSV:** A button to download the results as a CSV file.
- Status:** 6 rows selected.
- Footer:** 2023 Oracle - Live SQL 23.3.2, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with using Oracle APEX - Privacy - Terms of Use.

SID	CNAME
123	Stanford
678	Stanford
987	Stanford
876	Stanford
765	Stanford

## Answer10

The screenshot shows the Live SQL interface with the following details:

- SQL Worksheet:** The query entered is `select cname from College where enrollment>10001;`
- Results:** A table with 5 rows is displayed, listing college names.
- Download CSV:** A button to download the results as a CSV file.
- Status:** 5 rows selected.
- Footer:** 2023 Oracle - Live SQL 23.3.2, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with using Oracle APEX - Privacy - Terms of Use.

CNAME
Stanford
Berkeley
Cornell
Harvard

Answer11

The screenshot shows the Live SQL interface with the following details:

- Query:** `1 select cname from College where cname='Stanford' and cname='Berkeley';`
- Results Table:**

CNAME
MIT
Corne11
Harvard
- Buttons:** Download CSV
- Status:** 3 rows selected.
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Answer12

The screenshot shows the Live SQL interface with the following details:

- Query:** `1 select sname from student46 where sizeHS>17000 and gpa<3.8;`
- Results:** no data found
- Buttons:** Clear, Find, Actions, Save, Run
- Footer:** 2023 Oracle · Live SQL 23.3.2, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 · Database Documentation · Ask Tom · Dev Gym  
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## Answer13

The screenshot shows the Live SQL interface with the following SQL query:

```
1 select sname from student46 where sizeHS>17000 and gpa<3.8;
2 desc student46;
```

The schema for the `student46` table is displayed below the query:

Column	Null?	Type
SID	-	VARCHAR2(3)
SNAME	-	VARCHAR2(20)
GPA	-	NUMBER(2,1)
SIZEHS	-	NUMBER
DOB	-	DATE

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## Answer14

The screenshot shows the Live SQL interface with the following SQL query:

```
1 select * from student46;
```

The results of the query are displayed in a table:

876	Irene	3.9	400	07-MAR-96
765	Jay	2.9	1500	08-AUG-98
654	Amy	3.9	1000	26-MAY-96
543	Craig	3.4	2000	27-AUG-98

Below the table, there is a button labeled "Download CSV" and the text "12 rows selected."

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Answer15

The screenshot shows the Live SQL interface with the query `select distinct major from Apply;` executed. The results are displayed in a table with 7 rows selected. The table has one column, 'major', with the following values: biology, history, bioengineering, and CS. A 'Download CSV' button is visible below the table.

major
biology
history
bioengineering
CS

7 rows selected.

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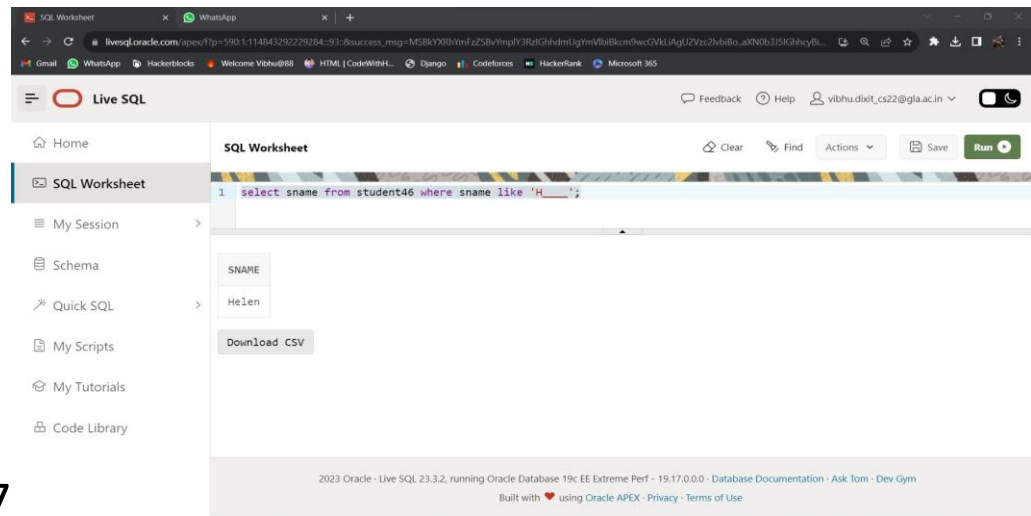
Answer16

The screenshot shows the Live SQL interface with the query `select sname from student46 where sname like '___';` executed. The results are displayed in a table with 5 rows selected. The table has one column, 'sname', with the following values: Amy, Bob, Fay, Jay, and Amy. A 'Download CSV' button is visible below the table.

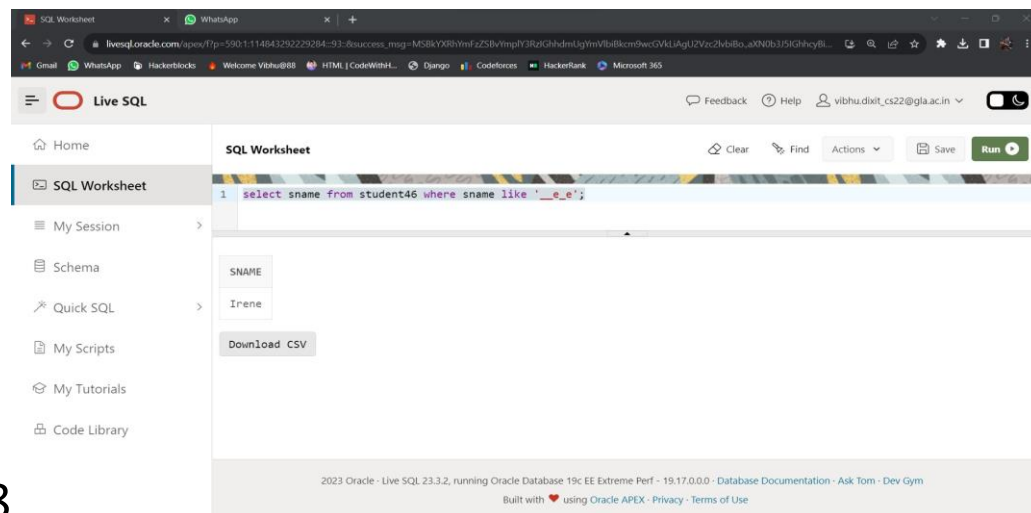
sname
Amy
Bob
Fay
Jay
Amy

5 rows selected.

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Answer17



Answer18

Answer19

The screenshot shows the Live SQL web application. The left sidebar contains navigation links: Home, SQL Worksheet (selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet" and contains a text editor with the SQL query: `1 select sname from student46 where sname like 'A%';`. Below the editor, the results are displayed in a table with 5 rows: Amy, Fay, Gary, Jay, and Amy. A "Download CSV" button is located below the table. At the bottom, a status bar indicates: "2023 Oracle - Live SQL 23.3.2, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym Built with using Oracle APEX - Privacy - Terms of Use".

SNAME
Amy
Fay
Gary
Jay
Amy

Answer20

The screenshot shows the Live SQL web application. The left sidebar contains navigation links: Home, SQL Worksheet (selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet" and contains a text editor with the SQL query: `1 select sname from student46 order by gpa ASC;`. Below the editor, the results are displayed in a table with 6 rows: Jay, Edward, Craig, Gary, Craig, and Bob. A status bar at the bottom indicates: "2023 Oracle - Live SQL 23.3.2, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym Built with using Oracle APEX - Privacy - Terms of Use".

SNAME
Jay
Edward
Craig
Gary
Craig
Bob

Answer21

SQL Worksheet

1 select \* from student46 order by gpa;

SID	SNAME	GPA	SIZEHS	DOB
765	Jay	2.9	1500	08-AUG-98
567	Edward	2.9	2000	21-DEC-96
543	Craig	3.4	2000	27-AUG-98
789	Gary	3.4	800	08-OCT-96
345	Craig	3.5	500	04-FEB-95
234	Bob	3.6	1500	07-APR-95

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## Answer22

SQL Worksheet

1 select sid from Apply where cname='Stanford' or cname='Cornell' or cname='MIT';

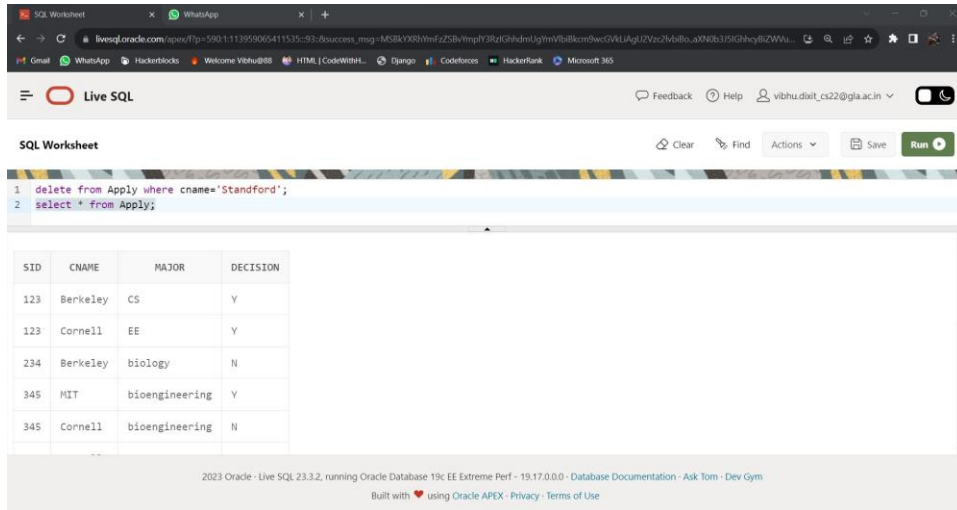
876
765
765
765
543

Download CSV

16 rows selected.

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## Answer23



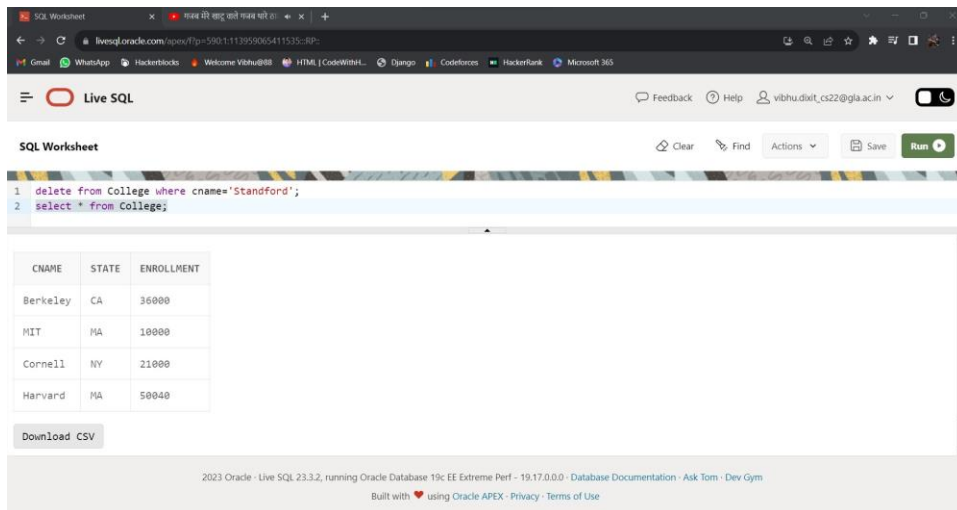
SQL Worksheet

```
1 delete from Apply where cname='Standford';
2 select * from Apply;
```

SID	CNAME	MAJOR	DECISION
123	Berkeley	CS	Y
123	Cornell	EE	Y
234	Berkeley	biology	N
345	HIT	bioengineering	Y
345	Cornell	bioengineering	N

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## Answer24



SQL Worksheet

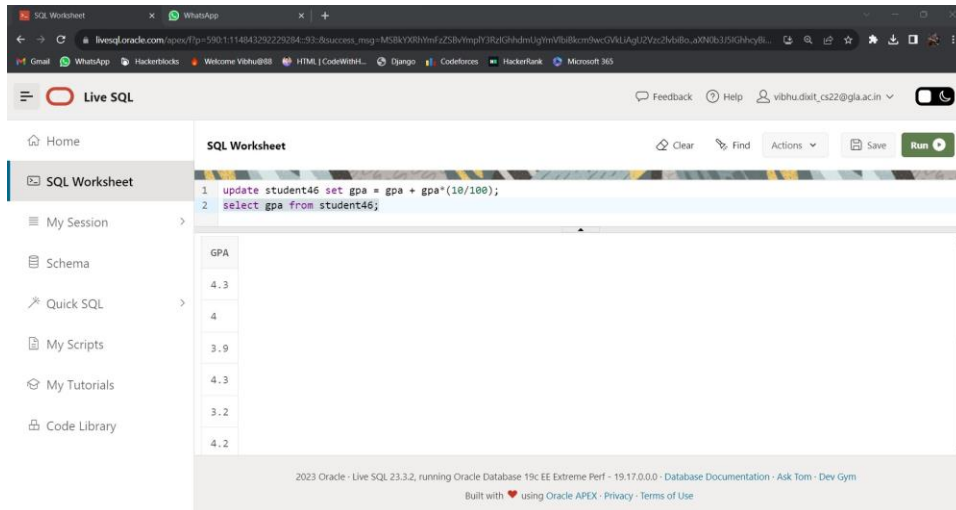
```
1 delete from College where cname='Standford';
2 select * from College;
```

CNAME	STATE	ENROLLMENT
Berkeley	CA	36000
HIT	MA	10000
Cornell	NY	21000
Harvard	MA	50040

Download CSV

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## Answer25



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

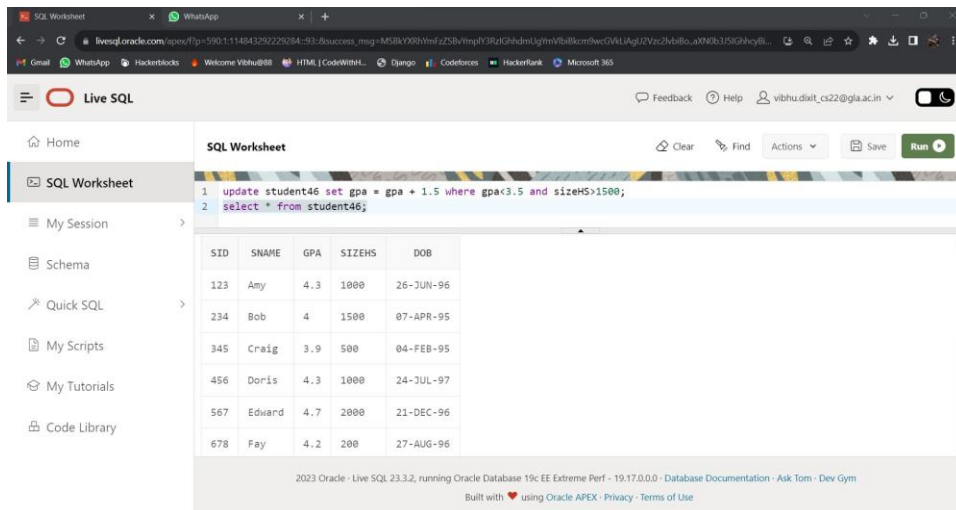
```
1 update student46 set gpa = gpa + gpa*(10/100);
2 select gpa from student46;
```

The result of the second query is displayed in a table:

GPA
4.3

At the bottom, it states: 2023 Oracle - Live SQL 23.3.2, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with using Oracle APEX - Privacy - Terms of Use.

## Answer26



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

```
1 update student46 set gpa = gpa + 1.5 where gpa<3.5 and sizeHS<1500;
2 select * from student46;
```

The result of the second query is displayed in a table:

SID	SNAME	GPA	SIZEHS	DOB
123	Amy	4.3	1000	26-JUN-96
234	Bob	4	1500	07-APR-95
345	Craig	3.9	500	04-FEB-95
456	Doris	4.3	1000	24-JUL-97
567	Edward	4.7	2000	21-DEC-96
678	Fay	4.2	200	27-AUG-96

At the bottom, it states: 2023 Oracle - Live SQL 23.3.2, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with using Oracle APEX - Privacy - Terms of Use.

## Answer27

SQL Worksheet

WhatsApp

livesql.oracle.com/apex/f?p=510:111414323225294-92-6success\_msg~MSBkYX0hYmZzS2VimpY3RzQ2hndmLgmiVb8kcmducGVUAgU2Vaz2hvbGouXW0bLj0KAhcyB...

GmailWhatsAppHackerblocksWelcome Vibhu@88HTMLCodeWithDjangoCodeforcesHackerRankMicrosoft 365

Live SQL

FeedbackHelpvibhu.dixit\_cs22@glia.ac.in

Home

SQL Worksheet

My Session

Schema

Quick SQL

My Scripts

My Tutorials

Code Library

SQL Worksheet

ClearFindActionsSaveRun

```
1 delete from student46 where gpa<3.2;
2 select * from student46;
```

SID	SNAME	GPA	SIZEHS	DOB
123	Amy	4.3	1000	26-JUN-96
234	Bob	4	1500	07-APR-95
345	Craig	3.9	500	04-FEB-95
456	Doris	4.3	1000	24-JUL-97
567	Edward	4.7	2000	21-DEC-96
678	Fay	4.2	200	27-AUG-96

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