

## Answer Sheet - SQL

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### Major Question 1

A)List the salary of all the employees.

**SELECT ENAME,SALARY FROM EMPLOYEE;**

<answer-here>

### Insert Image-

The screenshot displays the Oracle Live SQL web interface. The browser tabs include 'SQL Worksheet', 'Testbook Online Course', 'Testbook', and 'Testbook.com - India's No.1 Govt'. The address bar shows the URL 'livesql.oracle.com/apex/f?p=590:1:11960846545130:::'. The interface features a sidebar with navigation options: Home, SQL Worksheet (selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area, titled 'SQL Worksheet', shows the results of the query 'SELECT ENAME, SALARY FROM EMPLOYEE;'. The results are displayed in a table with two columns: ENAME and SALARY. The table contains the following data:

ENAME	SALARY
AJIT NAYAK	35000
SATYA	32770
AJIT BEHERA	32802
UMASHANKAR	32770
BHAGWAT	32802
MEENAKSHI	25125
JASWASI	20500
NIHAR NAYAK	29105
DEBASMITA	20500

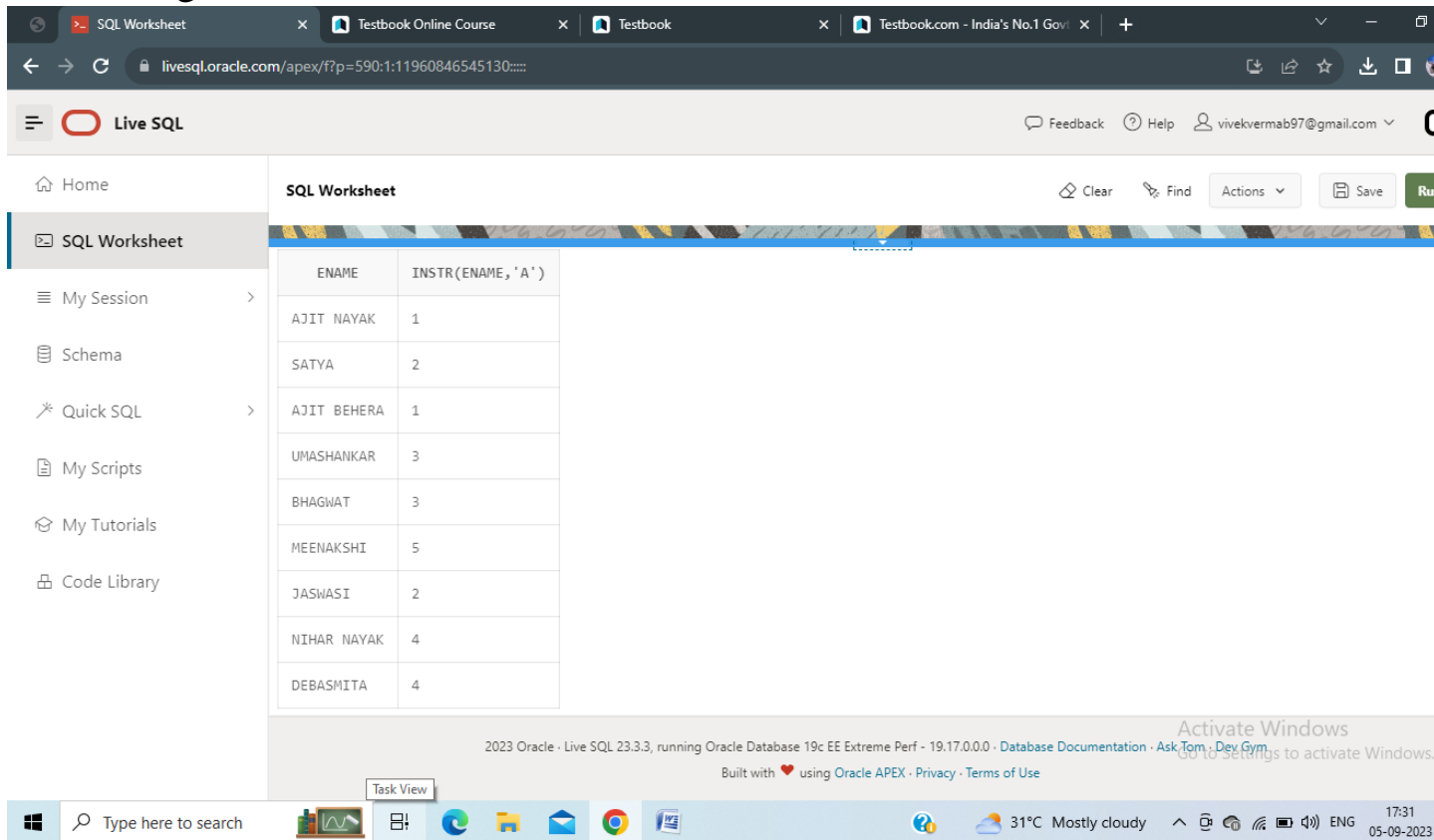
At the bottom of the interface, there is a footer with the text '2023 Oracle - Live SQL 23.3.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym' and 'Built with ❤️ using Oracle APEX - Privacy - Terms of Use'. An 'Activate Windows' watermark is also visible in the bottom right corner.

B) Display the names of all employees with any “A” at any place of the name.

**SELECT ENAME, INSTR(ENAME, 'A') FROM EMPLOYEE;**

<answer-here>

Insert Image –



The screenshot shows the Live SQL interface with the following table of results:

ENAME	INSTR(ENAME, 'A')
AJIT NAYAK	1
SATYA	2
AJIT BEHERA	1
UMASHANKAR	3
BHAGWAT	3
MEENAKSHI	5
JASWASI	2
NIHAR NAYAK	4
DEBASMITA	4

C) Show all employees who were hired in the first half of the month (Before the 16th of the month).

**SELECT e.ename,e.mgrsrno,d.mgrsrno,d.mgrstartd from employee  
e inner join department d on  
e.mgrsrno=d.mgrsrno  
where extract(day from d.mgrstartd)<=16;**

<answer-here>

Insert Image -

The screenshot displays the Oracle Live SQL web interface. The browser's address bar shows the URL `livesql.oracle.com/apex/f?p=590:1:110330578868873:::`. The interface includes a sidebar with navigation options: Home, SQL Worksheet (selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main content area, titled "SQL Worksheet", features a table with the following data:

ENAME	MGRSRNO	MGRSRNO	MGRSTARTD
SATYA	133100	133100	06-JAN-88
AJIT BEHERA	133100	133100	06-JAN-88
UMASHANKAR	133100	133100	06-JAN-88

Below the table, there is a "Download CSV" button and a status message "3 rows selected.". The footer of the interface includes the text "2023 Oracle - Live SQL 23.3.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym" and "Built with using Oracle APEX - Privacy - Terms of Use". An "Activate Windows" watermark is visible in the bottom right corner. The Windows taskbar at the bottom shows the search bar, task view button, and several application icons, with the system clock indicating 17:29 on 06-09-2023.

D) Display the name of all female employees.

**SELECT ENAME FROM EMPLOYEE**  
**WHERE SEX='F';**

<answer-here>

Insert Image -

The screenshot shows the Oracle Live SQL web interface. The browser tabs include 'SQL Worksheet', 'Testbook Online Course', 'Testbook', and 'Testbook.com - India's No.1 Govt'. The address bar shows the URL 'livesql.oracle.com/apex/f?p=590:1:11960846545130:::'. The interface has a sidebar with navigation options: Home, SQL Worksheet (selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled 'SQL Worksheet' and displays the results of a query. A table with two rows is shown:

ENAME
MEENAKSHI
DEBASMITA

Below the table is a 'Download CSV' button and the text '2 rows selected.'. At the bottom of the interface, there is a footer with version information: '2023 Oracle - Live SQL 23.3.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0'. The Windows taskbar at the bottom shows the search bar, task view, and several application icons. The system tray displays the date and time as '17:42 05-09-2023'.

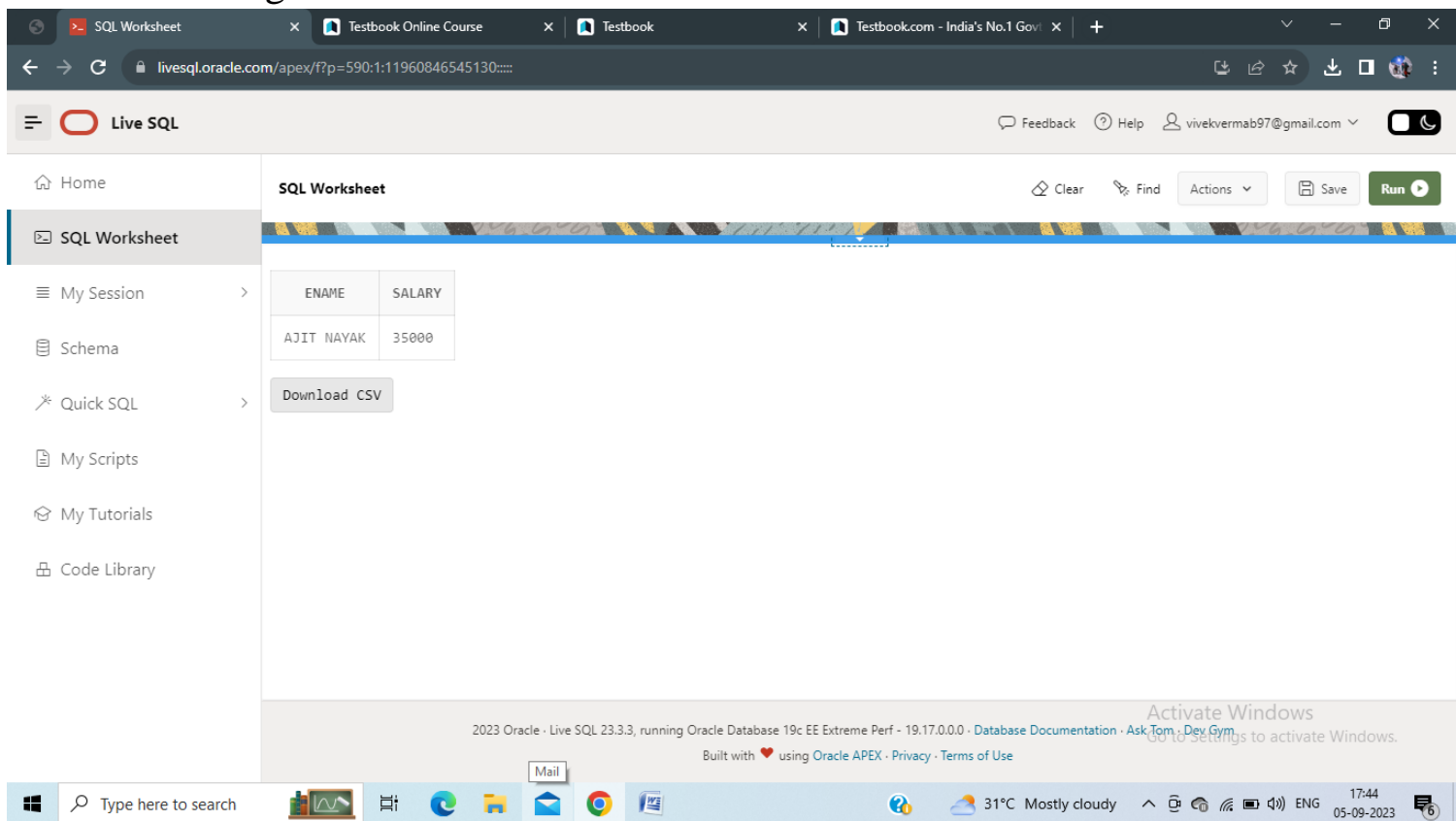
E) Display the employee who is paid most in the company.

**SELECT ENAME,SALARY FROM EMPLOYEE**

**WHERE SALARY=(SELECT MAX(SALARY) FROM EMPLOYEE);**

<answer-here>

Insert Image —



The screenshot displays the Oracle Live SQL web interface. The browser's address bar shows the URL `livesql.oracle.com/apex/f?p=590:1:11960846545130:::`. The interface includes a sidebar with navigation options: Home, SQL Worksheet (selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main content area, titled "SQL Worksheet", features a table with the following data:

ENAME	SALARY
AJIT NAYAK	35000

Below the table is a "Download CSV" button. The top right of the interface contains links for Feedback, Help, and a user profile (vivekvermab97@gmail.com). The bottom of the screen shows a Windows taskbar with the search bar, task icons, and system tray information including the date (05-09-2023) and time (17:44).

## Major Question 2

A) Display employee name, address, department no and department name.

**SELECT ENAME,ADDRESS,DNO,DNAME FROM  
EMPLOYEE,DEPARTMENT;**

<answer-here>

Insert Image –

The screenshot displays the Live SQL web application interface. The browser's address bar shows the URL `livesql.oracle.com/apex/f?p=590:1:11960846545130:::`. The application header includes the 'Live SQL' logo, user information (vivekvermab97@gmail.com), and navigation links for Feedback and Help. A sidebar on the left contains a menu with options: Home, SQL Worksheet (selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main content area, titled 'SQL Worksheet', features a table with the following data:

ENAME	ADDRESS	DNO	DNAME
AJIT NAYAK	73 BOSTON	1	RESEARCH
SATYA	26 FINE OAK	4	RESEARCH
AJIT BEHERA	10 KALINGA	3	RESEARCH
UMASHANKAR	26 FINE OAK	2	RESEARCH
BHAGWAT	55 FLORIDA	2	RESEARCH
MEENAKSHI	73 BRIKLY	3	RESEARCH
JASWASI	17 BOSTON	4	RESEARCH
NIHAR NAYAK	73 DALLAS	3	RESEARCH
DEBASMITA	1 QUEENS LAND	2	RESEARCH

Below the table, the footer text reads: '2023 Oracle - Live SQL 23.3.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dey'. At the bottom of the screen, the Windows taskbar is visible, showing the search bar, taskbar icons, system tray with weather (31°C Mostly cloudy), and date/time (17:46 05-09-2023). A Windows activation watermark is present in the background.

SQL Worksheet

Testbook Online Course

Testbook

Testbook.com - India's No.1 Govt

livesql.oracle.com/apex/f?p=590:1:11960846545130:::

Live SQL

Feedback Help vivekvermab97@gmail.com

Home

SQL Worksheet

My Session

Schema

Quick SQL

My Scripts

My Tutorials

Code Library

SQL Worksheet

Clear Find Actions Save Run

SATYA	26 FINE OAK	4	ACADEMIC
AJIT BEHERA	10 KALINGA	3	ACADEMIC
UMASHANKAR	26 FINE OAK	2	ACADEMIC
BHAGWAT	55 FLORIDA	2	ACADEMIC
MEENAKSHI	73 BRIKLY	3	ACADEMIC
JASWASI	17 BOSTON	4	ACADEMIC
NIHAR NAYAK	73 DALLAS	3	ACADEMIC
DEBASMITA	1 QUEENS LAND	2	ACADEMIC

Download CSV

36 rows selected.

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Activate Windows

Go to settings to activate Windows.

Type here to search

31°C Mostly cloudy

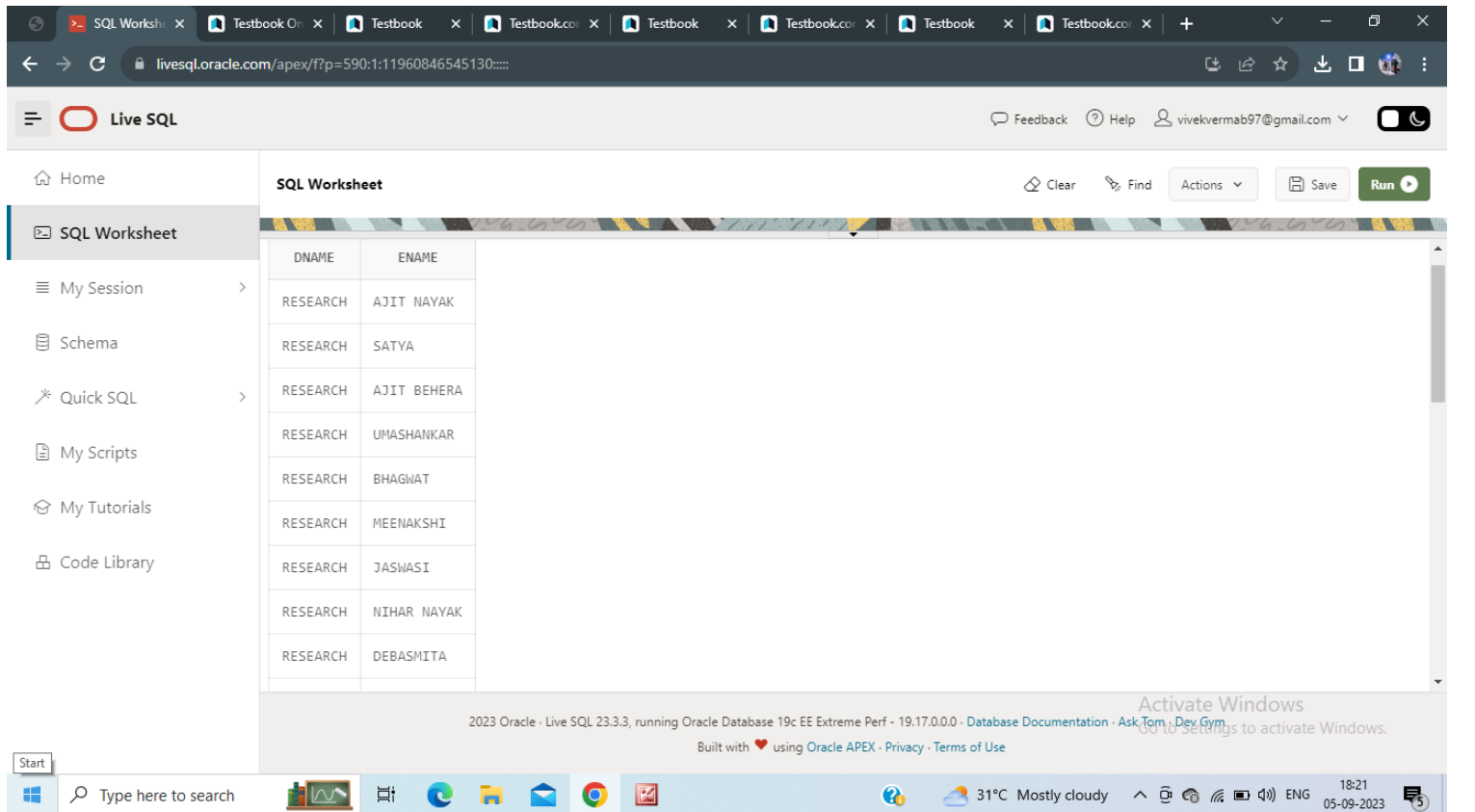
17:46 05-09-2023

B) Display all the employees who are *not in* ACADEMIC department

**SELECT DNAME,ENAME FROM DEPARTMENT,EMPLOYEE**  
**WHERE DNAME != 'ACADEMIC';**

<answer-here>

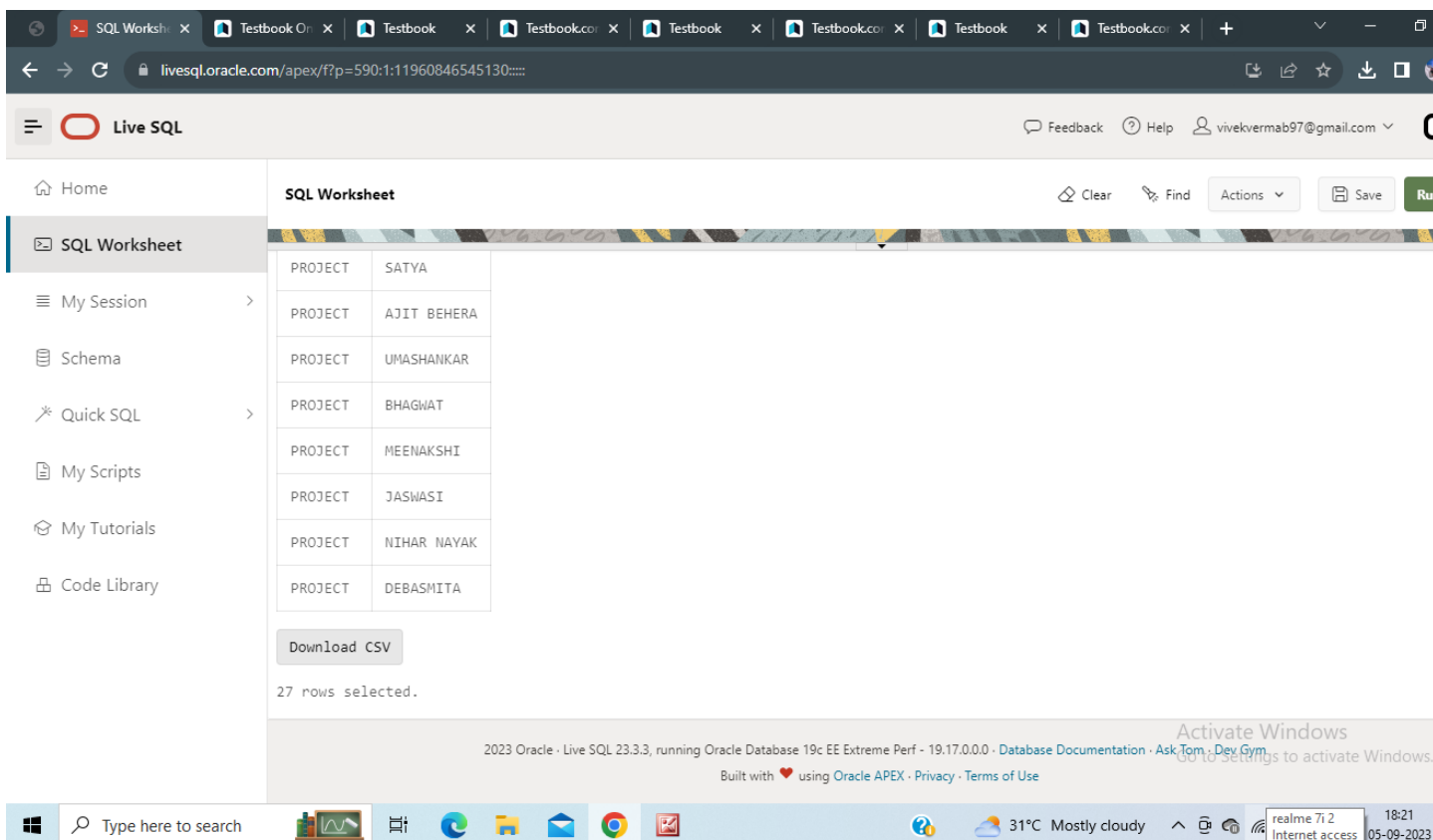
## Insert Image –



The screenshot shows the Oracle Live SQL web interface. 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 displays a table with the following data:

DNAME	ENAME
RESEARCH	AJIT NAYAK
RESEARCH	SATYA
RESEARCH	AJIT BEHERA
RESEARCH	UMASHANKAR
RESEARCH	BHAGWAT
RESEARCH	MEENAKSHI
RESEARCH	JASWASI
RESEARCH	NIHAR NAYAK
RESEARCH	DEBASMITA

At the bottom of the interface, there is a status bar indicating: 2023 Oracle · Live SQL 23.3.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 · Database Documentation · Ask Tom · Dev Gym. Below this, it says "Built with ❤️ using Oracle APEX · Privacy · Terms of Use".



The screenshot shows the Oracle Live SQL web interface after a query execution. The table now displays project data:

PROJECT	ENAME
PROJECT	SATYA
PROJECT	AJIT BEHERA
PROJECT	UMASHANKAR
PROJECT	BHAGWAT
PROJECT	MEENAKSHI
PROJECT	JASWASI
PROJECT	NIHAR NAYAK
PROJECT	DEBASMITA

Below the table, there is a "Download CSV" button and a message stating "27 rows selected." The status bar at the bottom indicates: 2023 Oracle · Live SQL 23.3.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 · Database Documentation · Ask Tom · Dev Gym. Below this, it says "Built with ❤️ using Oracle APEX · Privacy · Terms of Use".



C) Display SATYAS' project location.

```
SELECT PLOCATION,ENAME FROM PROJECT,EMPLOYEE  
WHERE ENAME='SATYA';
```

<answer-here>

## Insert Image -

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PLOCATION	ENAME
KOREA	SATYA
SOUTH AFRICA	SATYA
INDIA	SATYA

Below the table, there is a 'Download CSV' button and the text '3 rows selected.'. At the bottom of the interface, there is a footer with version information: '2023 Oracle - Live SQL 23.3.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym'. The Windows taskbar at the bottom shows the search bar, task view, and several application icons, along with the system clock showing 17:49 on 05-09-2023.

D) Find the total working hours of *each* female employee.

**SELECT HOURS, ENAME FROM WORKS\_ON, EMPLOYEE  
WHERE SEX='F';**

<answer-here>

# Insert Image -

The screenshot shows the Oracle Live SQL interface. 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 displays a table with the following data:

HOURS	ENAME
1.25	MEENAKSHI
3.28	MEENAKSHI
1.25	MEENAKSHI
5.35	MEENAKSHI
2.54	MEENAKSHI
7.2	MEENAKSHI
2.41	MEENAKSHI
3.24	MEENAKSHI
1.36	MEENAKSHI

At the bottom of the interface, there is a footer with the text: "2023 Oracle - Live SQL 23.3.3, 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 Oracle Live SQL interface. 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 displays a table with the following data:

2.36	DEBASMITA
1.25	DEBASMITA
3.14	DEBASMITA
2.05	DEBASMITA
2.5	DEBASMITA
5.27	DEBASMITA
2.32	DEBASMITA
4.15	DEBASMITA

Below the table, there is a "Download CSV" button and the text "34 rows selected.".

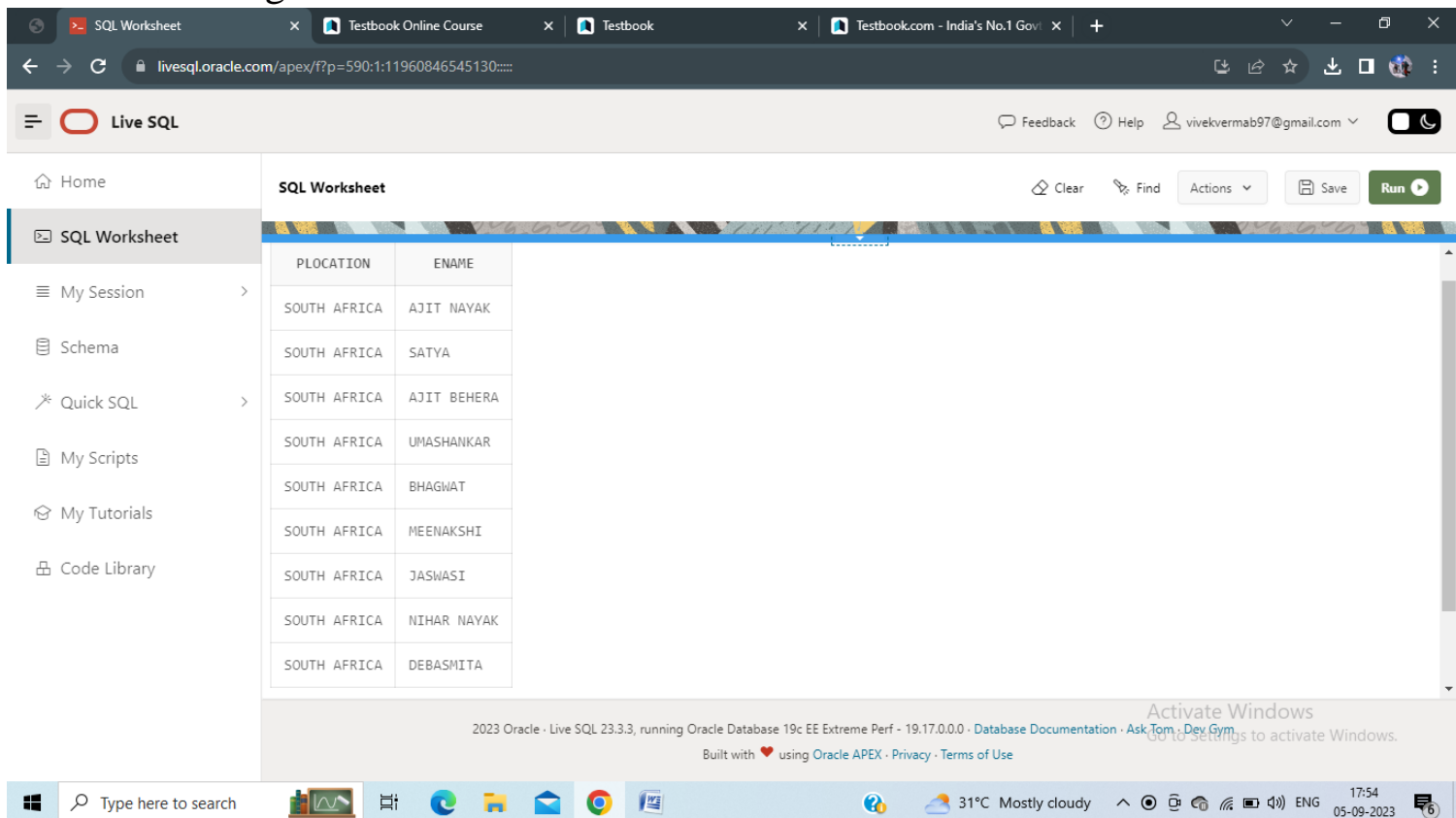
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E) Display the details of the people whose projects are located at SOUTH AFRICA.

**SELECT PLOCATION,ENAME FROM PROJECT,EMPLOYEE**  
**WHERE PLOCATION='SOUTH AFRICA';**

<answer-here>

Insert Image -



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PLOCATION	ENAME
SOUTH AFRICA	AJIT NAYAK
SOUTH AFRICA	SATYA
SOUTH AFRICA	AJIT BEHERA
SOUTH AFRICA	UMASHANKAR
SOUTH AFRICA	BHAGWAT
SOUTH AFRICA	MEENAKSHI
SOUTH AFRICA	JASWASI
SOUTH AFRICA	NIHAR NAYAK
SOUTH AFRICA	DEBASMITA

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