

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 shows a browser window with multiple tabs open. The active tab is titled "SQL Worksheet" and contains the results of a SQL query. The query was likely:

```
SELECT ENAME, SALARY FROM EMPLOYEE;
```

The results are displayed in a table:

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

The browser interface includes a sidebar with navigation links like Home, SQL Worksheet, My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The status bar at the bottom right shows system information such as battery level, signal strength, and the date/time (05-09-2023, 17:26).

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 a Windows desktop environment with a browser window open to the Oracle Live SQL worksheet. The browser address bar displays the URL: `livesql.oracle.com/apex/f?p=590:1:11960846545130::::`. The browser tabs include "SQL Worksheet", "Testbook Online Course", "Testbook", and "Testbook.com - India's No.1 Govt". The main content area is titled "SQL Worksheet" and contains a table with two columns: "ENAME" and "INSTR(ENAME, 'A')". The table data is as follows:

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

The browser interface includes a sidebar with links like "Home", "SQL Worksheet" (which is selected), "My Session", "Schema", "Quick SQL", "My Scripts", "My Tutorials", and "Code Library". The bottom of the browser window shows system information: "Activate Windows", "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 · Go to Settings to activate Windows.", "Built with ❤️ using Oracle APEX · Privacy · Terms of Use", and a taskbar with various icons and system status indicators.

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 shows the Oracle Live SQL interface. On the left, there's a sidebar with navigation links: Home, SQL Worksheet (which is selected and highlighted in blue), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet" and displays a table with four columns: ENAME, MGRSRNO, MGRSRNO, and MGRSTARTD. The table contains three rows of 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's a "Download CSV" button and a message stating "3 rows selected.". At the bottom of the interface, there's a footer with copyright 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". It also mentions "Built with ❤️ using Oracle APEX · Privacy · Terms of Use". The system tray at the bottom right shows various icons and the date/time: "Rain coming" (with a weather icon), ENG, 06-09-2023, and 17:29.

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 interface. On the left, there's a sidebar with navigation links: Home, SQL Worksheet (which is selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet" and contains the following content:

```
SQL Worksheet
ENAME
MEENAKSHI
DEBASMITA
Download CSV
2 rows selected.
```

At the bottom of the main area, there's a footer with copyright 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 · Built with ❤️ using Oracle APEX · Privacy · Terms of Use". The status bar at the bottom of the browser window shows the date and time: "05-09-2023 17:42".

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 shows the Oracle Live SQL interface. On the left, there's a sidebar with options like Home, SQL Worksheet (which is selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet" and contains a table with two columns: ENAME and SALARY. A single row is displayed: AJIT NAYAK and 35000. Below the table is a "Download CSV" button. At the bottom of the screen, there's a taskbar with various icons and a status bar showing "Activate Windows", "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", "31°C Mostly cloudy", and "17:44 05-09-2023".

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 shows the Oracle Live SQL interface. On the left, there's a sidebar with 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 displays a table of employee 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

At the bottom of the interface, there's a status bar with system information and a notification bubble for Windows activation.

The screenshot shows a browser window with multiple tabs open, including 'SQL Worksheet', 'Testbook Online Course', 'Testbook', and 'Testbook.com - India's No.1 Govt'. The main content is the 'Live SQL' interface. On the left, a sidebar lists 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 a table of employee data. The table has columns: ENAME, DNAME, SAL, and DEPARTMENT. The data shows eight rows of employees from various departments, with all of them belonging to the 'ACADEMIC' department. Below the table is a button labeled 'Download CSV'. At the bottom of the page, there is a footer with copyright information and a link to activate Windows.

ENAME	DNAME	SAL	DEPARTMENT
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

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 a browser window with multiple tabs open, all titled "Testbook". The active tab is "livesql.oracle.com/apex/f?p=5901:11960846545130::::". The interface is the Oracle Live SQL workspace. On the left, there's a sidebar with navigation links: Home, SQL Worksheet (which is selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet" and contains 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 workspace, there's a message: "Activate Windows" followed by "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 · Go to settings to activate Windows." Below the workspace is a taskbar with various icons and system status information.

This screenshot is nearly identical to the one above, showing the same Oracle Live SQL workspace. The main difference is the presence of a "Download CSV" button at the bottom of the table area. Below the table, a message says "27 rows selected.". The rest of the interface, including the sidebar, table data, and system status bar, remains the same.

C) Display SATYAS' project location.

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

<answer-here>

Insert Image -

The screenshot shows the Oracle Live SQL interface. On the left, there's a sidebar with options like Home, SQL Worksheet, My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet" and displays a table with three rows:

PLOCATION	ENAME
KOREA	SATYA
SOUTH AFRICA	SATYA
INDIA	SATYA

Below the table, there's a "Download CSV" button and a message stating "3 rows selected.". At the bottom of the interface, there's a footer with copyright information and a Windows taskbar at the bottom.

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 has a 'SQL Worksheet' section selected. The main area displays a table with two columns: 'HOURS' and 'ENAME'. The data shows multiple rows for the employee 'MEENAKSHI' with various hour values. At the bottom of the main area, there is a message about activating Windows.

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

Activate Windows
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The screenshot shows the Oracle Live SQL interface. The left sidebar has a 'SQL Worksheet' section selected. The main area displays a table with two columns: 'HOURS' and 'ENAME'. The data shows multiple rows for the employee 'DEBASMITA' with various hour values. Below the table, there is a 'Download CSV' button and a message indicating 34 rows selected. At the bottom of the main area, there is a message about activating Windows.

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

Download CSV
34 rows selected.

Activate Windows
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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 -

The screenshot shows the Oracle Live SQL interface. On the left, there's a sidebar with navigation links: Home, SQL Worksheet (which is selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet" and contains a table with two columns: PLOCATION and ENAME. The table data is as follows:

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

At the bottom of the interface, there's a status bar with system information: "Activate Windows", "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 · Go to Settings to activate Windows.", "Built with ❤️ using Oracle APEX · Privacy · Terms of Use", and a taskbar with various icons and system status indicators.