

1.

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 the following SQL code:

```

1 v select book_id,book_name,price,author,stock
2   from book
3  where stock = (select min(stock) from book);
4
5

```

Below the code, a table is displayed with the following data:

BOOK_ID	BOOK_NAME	PRICE	AUTHOR	STOCK
70010	Authorware 6.5	295	Pongsawad Boonkul	6

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At the bottom of the interface, it says "2024 Oracle - Live SQL 24.1.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation · Ask Tom · Dev Gym". The system status bar at the bottom right shows "32°C Partly sunny" and the date "09-Nov-24".

2.

The screenshot shows the Oracle Live SQL interface. The sidebar is identical to the first one. The main area is titled "SQL Worksheet" and contains the following SQL code:

```

1 v select s.sale_no,count(o.order_no)
2   from sale s
3  join order_head o on o.sale_no = s.sale_no
4  group by s.sale_no
5  order by sale_no
6
7

```

Below the code, a table is displayed with the following data:

SALE_NO	COUNT(O.ORDER_NO)
11111	3
22222	3
33333	2
44444	2
55555	1

[Download CSV](#)

At the bottom of the interface, it says "2024 Oracle - Live SQL 24.1.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation · Ask Tom · Dev Gym". The system status bar at the bottom right shows "2:04 PM" and the date "09-Nov-24".

3.

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". A SQL query is displayed:

```

1 v select sum(d.qty*b.price) total_sale,sum((d.qty*b.price)*(c.discount/100)) total_discount,
2      sum(d.qty*b.price) - sum((d.qty*b.price)*(c.discount/100)) total_receive
3  from customer c
4  join order_head o on o.cust_no = c.cust_no
5  join detail d on d.order_no = o.order_no
6  join book b on b.book_id = d.book_id
7

```

Below the query, the results are shown in a table:

TOTAL_SALE	TOTAL_DISCOUNT	TOTAL_RECEIVE
108235	5761.15	102473.85

At the bottom, there's a "Download CSV" button. The footer of the interface includes copyright information: "2024 Oracle - Live SQL 24.1.3, 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".

4.

This screenshot is similar to the previous one but shows a different query and results. The sidebar and interface layout are identical. The SQL query is:

```

1 v select o.order_date, sum(d.qty*b.price), sum((d.qty*b.price)*(c.discount/100))
2  from customer c
3  join order_head o on o.cust_no = c.cust_no
4  join detail d on d.order_no = o.order_no
5  join book b on b.book_id = d.book_id
6  group by o.order_date
7  order by o.order_date

```

The results are displayed in a table:

ORDER_DATE	SUM(D.QTY*B.PRICE)	SUM((D.QTY*B.PRICE)*(C.DISCOUNT/100))
20-JAN-03	8400	420
21-JAN-03	11900	691
22-JAN-03	8410	672.8
23-JAN-03	11090	554.5
24-JAN-03	32570	1670
25-JAN-03	35865	1752.85

The footer information is the same as in the previous screenshot.

5.

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". A SQL query is displayed:

```

1 v select b.book_id, b.book_name, b.price,b.author
2   from book b
3   join detail d on d.book_id = b.book_id
4   join order_head o on o.order_no = d.order_no
5   where o.order_date = '23-Jan-03'
6   group by b.book_id, b.book_name, b.price,b.author
7   having sum(qty) > 30

```

Below the query, the results are shown in a table:

BOOK_ID	BOOK_NAME	PRICE	AUTHOR
20010	Travel World	120	Srisamorn
30010	Sleeping	150	Jarae Sukjai

There is a "Download CSV" button and a message indicating "2 rows selected."

At the bottom, it says "2024 Oracle - Live SQL 24.1.3, 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".

6.

The screenshot shows the Oracle Live SQL interface. The sidebar and title are identical to the previous screenshot. The main area is titled "SQL Worksheet". A different SQL query is displayed:

```

1 v select s.sale_no,sum((d.qty*b.price*s.sale_rate)/100)
2   from sale s
3   join order_head o on o.sale_no = s.sale_no
4   join detail d on d.order_no = o.order_no
5   join book b on b.book_id = d.book_id
6   group by s.sale_no
7   order by s.sale_no

```

Below the query, the results are shown in a table:

SALE_NO	SUM((D.QTY*B.PRICE*S.SALE_RATE)/100)
11111	1257.85
22222	1714.275
33333	370.8
44444	1786.5
55555	665.4

There is a "Download CSV" button and a message indicating "2 rows selected."

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7.

The screenshot shows the Oracle Live SQL interface. The left sidebar has 'SQL Worksheet' selected. The main area displays the following SQL code:

```

1 v select o.order_no, o.order_date, o.tran_date
2   from order_head o
3   join customer c on c.cust_no = o.cust_no
4 where cust_name = 'Maliza Nuanpeng'
5 group by o.order_no, o.order_date, o.tran_date

```

Below the code, a table shows the results:

ORDER_NO	ORDER_DATE	TRAN_DATE
100004	22-JAN-03	28-JAN-03
100008	24-JAN-03	01-FEB-03

**Download CSV**

2 rows selected.

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8.

The screenshot shows the Oracle Live SQL interface. The left sidebar has 'SQL Worksheet' selected. The main area displays the following SQL code:

```

1 v select b.pub_id, sum(d.qty)
2   from book b
3   join detail d on d.book_id = b.book_id
4 group by b.pub_id

```

Below the code, a table shows the results:

PUB_ID	SUM(D.QTY)
P1111	205
P2222	367
P3333	121

**Download CSV**

3 rows selected.

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9.

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 contains a SQL query and its results. The query is:

```

1 v select b.book_id, b.book_name, b.author, b.price
2   from book b
3   join detail d on d.book_id = b.book_id
4   join order_head o on o.order_no = d.order_no
5   where order_date = '23-Jan-03' OR order_date = '24-Jan-03'
6   group by b.book_id, b.book_name, b.author, b.price
7   order by b.book_id

```

The results are displayed in a table:

BOOK_ID	BOOK_NAME	AUTHOR	PRICE
10010	Cooking	Jarae Sukjai	80
20010	Travel World	Srisamorn	120
30010	Sleeping	Jarae Sukjai	150
30020	Nude Book	Udom Taepanitch	100
40010	Technology Life	Srisamorn	160
40030	Windows XP	Udom Taepanitch	130

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10.

The screenshot shows the Oracle Live SQL interface. The sidebar and layout are similar to the previous screenshot. The main area is titled "SQL Worksheet" and contains a SQL query and its results. The query is:

```

1 v select c.cust_no, c.cust_name, c.address
2   from customer c
3   join order_head o on o.cust_no = c.cust_no
4   join detail d on d.order_no = o.order_no
5   join book b on b.book_id = d.book_id
6   where b.book_name IN ('Windows XP', 'Nude Book')
7   group by c.cust_no, c.cust_name, c.address
8   order by c.cust_no;

```

The results are displayed in a table:

CUST_NO	CUST_NAME	ADDRESS
40001	Somchai Amuaychai	Bangkok
40005	Nattakan Wongsri	Nontaburi
40006	Maliza Nuanpeng	Bangkok

Below the table, there's a "Download CSV" button and a message "3 rows selected.". At the bottom, it says "2024 Oracle - Live SQL 24.1.3, 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".

11.

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 contains the following SQL code:

```

1 v select o.order_no, o.order_date, c.cust_no, c.cust_name
2   from order_head o
3   join customer c on c.cust_no = o.cust_no
4   join detail d on d.order_no = o.order_no
5   join book b on b.book_id = d.book_id
6   where book_name = 'Technology Life'
7   group by o.order_no, o.order_date, c.cust_no, c.cust_name
8   order by o.order_no

```

Below the code, a table displays the results:

ORDER_NO	ORDER_DATE	CUST_NO	CUST_NAME
100002	21-JAN-03	40003	Kukiat Kompol
100010	24-JAN-03	40001	Somchai Amuaychai
100011	25-JAN-03	40009	Pornchai Saebae

[Download CSV](#)

3 rows selected.

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12.

The screenshot shows the Oracle Live SQL interface. The sidebar and title bar are identical to the previous screenshot. The main area is titled "SQL Worksheet" and contains the following SQL code:

```

1 v select c.cust_no, sum(d.qty)
2   from customer c
3   join order_head o on o.cust_no = c.cust_no
4   join detail d on d.order_no = o.order_no
5   group by c.cust_no
6   order by sum(d.qty) DESC

```

Below the code, a table displays the results:

CUST_NO	SUM(D.QTY)
40001	287
40007	93
40006	75
40009	70
40003	54
40002	43
40005	41

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13.

The screenshot shows the Oracle Live SQL Worksheet interface. The left sidebar has sections for 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 SQL code:

```

1 v select b.book_id,b.book_name,b.author,b.price
2   from book b
3   join detail d on d.book_id = b.book_id
4   join order_head o on o.order_no = d.order_no
5   where o.order_date = '23-Jan-03'
6   group by b.book_id,b.book_name,b.author,b.price
7   order by book_id

```

Below the code is a table with four columns: BOOK\_ID, BOOK\_NAME, AUTHOR, and PRICE. The data is:

BOOK_ID	BOOK_NAME	AUTHOR	PRICE
20010	Travel World	Srisamorn	120
30010	Sleeping	Jarae Sukjai	150
30020	Nude Book	Udom Teapanitch	100

At the bottom of the main area, there is a "Download CSV" button and a message stating "3 rows selected." The footer of the page includes copyright information: "2024 Oracle · Live SQL 24.1.3, 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".

14.

The screenshot shows the Oracle Live SQL Worksheet interface. The left sidebar has sections for 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 the following SQL code:

```

1 v select c.cust_no,c.cust_name,c.address
2   from customer c
3   join order_head o on o.cust_no = c.cust_no
4   join detail d on d.order_no = o.order_no
5   join book b on b.book_id = d.book_id
6   join publish p on p.pub_id = b.pub_id
7   where p.pub_name = 'Mitrisarn'
8   group by c.cust_no,c.cust_name,c.address
9   order by c.cust_no

```

Below the code is a table with three columns: CUST\_NO, CUST\_NAME, and ADDRESS. The data is:

CUST_NO	CUST_NAME	ADDRESS
40001	Somchai Amuaychai	Bangkok
40005	Nattakan Wongsri	Nontaburi
40006	Maliza Nuanpeng	Bangkok
40007	Sureerat Inmor	Patumtani
40009	Pornchai Saebae	Nontaburi

At the bottom of the main area, there is a "Download CSV" button and a message stating "3 rows selected." The footer of the page includes copyright information: "2024 Oracle · Live SQL 24.1.3, 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".

15.

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 contains the following SQL code:

```

1 v select o.order_date, o.order_no, c.cust_no, c.cust_name
2   from order_head o
3   join customer c on c.cust_no = o.cust_no
4   join detail d on d.order_no = o.order_no
5   join book b on b.book_id = d.book_id
6   where b.book_name = 'Nude Book'
7   group by o.order_date, o.order_no, c.cust_no, c.cust_name
8   order by o.order_date

```

Below the code, the results are displayed in a table:

ORDER_DATE	ORDER_NO	CUST_NO	CUST_NAME
20-JAN-03	100001	40001	Somchai Amuaychai
22-JAN-03	100004	40006	Maliza Nuanpeng
23-JAN-03	100006	40001	Somchai Amuaychai
24-JAN-03	100008	40006	Maliza Nuanpeng
24-JAN-03	100010	40001	Somchai Amuaychai

At the bottom of the interface, there's a footer with the text: "2024 Oracle - Live SQL 24.1.3, 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".

16.

The screenshot shows the Oracle Live SQL interface. The sidebar and overall layout are similar to the previous screenshot. The main area is titled "SQL Worksheet" and contains the following SQL code:

```

1 v select o.order_date, sum(d.qty*b.price)
2   from order_head o
3   join detail d on d.order_no = o.order_no
4   join book b on b.book_id = d.book_id
5   join customer c on c.cust_no = o.cust_no
6   where c.cust_name = 'Somchai Amuaychai'
7   group by o.order_date
8   order by o.order_date

```

Below the code, the results are displayed in a table:

ORDER_DATE	SUM(D.QTY*B.PRICE)
20-JAN-03	8400
23-JAN-03	11090
24-JAN-03	18520

There is a "Download CSV" button below the table. The footer at the bottom of the interface includes the text: "2024 Oracle - Live SQL 24.1.3, 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".

17.

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 contains the following SQL code:

```

1 v select type_book, count(book_name)
2   from book
3   group by type_book
4  order by type_book

```

Below the code, the results are displayed in a table:

TYPE_BOOK	COUNT(BOOK_NAME)
Computer	7
Entertain	5
Food	2
General	3
Technology	2
Travel	2

At the bottom of the interface, there's a footer with the text: "2024 Oracle · Live SQL 24.1.3, 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".

18.

The screenshot shows the Oracle Live SQL interface. The sidebar is identical to the previous one. The main area is titled "SQL Worksheet" and contains the following SQL code:

```

1 v select b.book_id, b.book_name, b.price
2   from book b
3   left join detail d on d.book_id = b.book_id
4   where d.book_id is NULL
5  order by b.book_id

```

Below the code, the results are displayed in a table:

BOOK_ID	BOOK_NAME	PRICE
50070	Database System	140
60020	Food for Health	90
60060	Harry Plotter 2	420
70020	System Analysis and Design	180

At the bottom of the interface, there's a "Download CSV" button and a footer with the text: "2024 Oracle · Live SQL 24.1.3, 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".

19.

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". A SQL query is displayed:

```
1 v select b.book_id, b.book_name, b.author, b.price
2   from book b
3   join publish p on p.pub_id = b.pub_id
4   where p.pub_name = 'CED Ucation Co,ltd'
5   group by b.book_id, b.book_name, b.author, b.price
6   order by b.book_id
```

Below the query is a table with the following data:

BOOK_ID	BOOK_NAME	AUTHOR	PRICE
20010	Travel World	Srisamorn	120
30010	Sleeping	Jarae Sukjai	150
40010	Technology Life	Srisamorn	160
50060	Computer Review	Prapart Nauan	160
50080	Windows XP	Somchai Prasertsuk	200
50090	Microsoft Office	Prapart Nauan	180
60030	Computer Graphics	Prapart Nauan	175

At the bottom of the interface, there's a footer with the text: "2024 Oracle - Live SQL 24.1.3, 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".

20.

The screenshot shows the Oracle Live SQL interface. The sidebar and main area are similar to the previous screenshot, with the "SQL Worksheet" tab selected. A SQL query is displayed:

```
1 v select c.cust_no,c.cust_name,c.address
2   from customer c
3   left join order_head o on o.cust_no = c.cust_no
4   where o.order_no is null
5   order by cust_no
```

Below the query is a table with the following data:

CUST_NO	CUST_NAME	ADDRESS
40004	Prasert Intan	Patumtani
40010	Lakana Lertsuk	Bangkok

There is a "Download CSV" button below the table. The footer at the bottom of the interface is identical to the one in screenshot 19.