

Hemnath

212219040046

Virtusa Assignment

Table – EmployeeDetails

EmpId	FullName	ManagerId	DateOfJoining	City
121	John Snow	321	01/31/2014	Toronto
321	Walter White	986	01/30/2015	California
421	Kuldeep Rana	876	27/11/2016	New Delhi

Table – EmployeeSalary

EmpId	Project	Salary	Variable
121	P1	8000	500
321	P2	10000	1000
421	P1	12000	0

Ques.1. Write an SQL query to fetch the EmpId and FullName of all the employees working under Manager with id – '876'.

The screenshot shows the Oracle Live SQL interface. The left sidebar contains navigation links: 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 query editor with the following SQL code:

```
1 SELECT EmpId, FullName FROM EmployeeDetails WHERE ManagerId = 876;  
2
```

Below the query editor, a table displays the results of the query:

EMPID	FULLNAME
421	Kuldeep Rana
521	Jane Joe

Below the table, it says 'Download CSV' and '2 rows selected.' The footer of the interface indicates: '© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with using Oracle APEX - Privacy - Terms of Use.'

Ques.2. Write an SQL query to fetch the different projects available from the EmployeeSalary table.

The screenshot shows the Oracle Live SQL interface. The left sidebar contains navigation links: 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 query editor with the following SQL code:

```
1 SELECT DISTINCT EmpProject FROM EmployeeSalary;  
2
```

Below the query editor, a table displays the results of the query:

EMPPROJECT
P1
P2
P3

Below the table, it says 'Download CSV' and '3 rows selected.' The footer of the interface indicates: '© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with using Oracle APEX - Privacy - Terms of Use.'

Ques.3. Write an SQL query to fetch the count of employees working in project 'P2'.

The screenshot shows the Oracle Live SQL interface. The left sidebar contains navigation links: 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:

```
1 SELECT COUNT(EmpProject) FROM EmployeeSalary WHERE EmpProject = 'P2';
2
```

The result of the query is displayed in a table:

COUNT(EMPPROJECT)
1

Below the table is a 'Download CSV' link. At the bottom, there is a footer with copyright information: © 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with ♥ using Oracle APEX - Privacy - Terms of Use.

Ques.4. Write an SQL query to find the maximum, minimum, and average salary of the employees.

The screenshot shows the Oracle Live SQL interface. The left sidebar contains navigation links: 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:

```
1 SELECT MIN(Salary) as MinimumSalary FROM EmployeeSalary;
2 SELECT MAX(Salary) as MaximumSalary FROM EmployeeSalary;
3 SELECT AVG(Salary) as AverageSalary FROM EmployeeSalary;
4
```

The results of the queries are displayed in three separate tables:

MINIMUMSALARY
5000

Below the table is a 'Download CSV' link.

MAXIMUMSALARY
12000

Below the table is a 'Download CSV' link.

AVERAGESALARY
8750

Below the table is a 'Download CSV' link. At the bottom, there is a footer with copyright information: © 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with ♥ using Oracle APEX - Privacy - Terms of Use.

Ques.5. Write an SQL query to find the employee id whose salary lies in the range of 10000 and 15000.

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

```
1 SELECT EmpId FROM EmployeeSalary WHERE Salary BETWEEN 10000 AND 15000;
```

The results table displays two rows:

EMP ID
321
421

Below the table, it says "Download CSV" and "2 rows selected." The footer indicates the version is Oracle Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0.

Ques.6. Write an SQL query to fetch those employees who live in Toronto and work under manager with ManagerId – 121.

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

```
1 SELECT EmpId, FullName, ManagerId, City FROM EmployeeDetails WHERE City = 'Toronto' AND ManagerId = 121;
```

The results table displays one row:

EMP ID	FULLNAME	MANAGERID	CITY
123	Peter Parker	121	Toronto

Below the table, it says "Download CSV". The footer indicates the version is Oracle Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0.

Ques.7. Write an SQL query to fetch all the employees who either live in New Delhi or work under a manager with ManagerId – 321.

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

```
1 SELECT EmpId, FullName, ManagerId, City FROM EmployeeDetails WHERE City = 'New Delhi' OR ManagerId = 321;
```

The results are displayed in a table with 4 columns: EMPID, FULLNAME, MANAGERID, and CITY. There are 2 rows selected.

EMPID	FULLNAME	MANAGERID	CITY
121	John Snow	321	Toronto
421	Kuldeep Rana	876	New Delhi

Download CSV
2 rows selected.

© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym
Built with ❤️ using Oracle APEX - Privacy - Terms of Use

Ques.8. Write an SQL query to fetch all those employees who work on Project other than P3.

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

```
1 SELECT EmpId, EmpProject FROM EmployeeSalary WHERE EmpProject <> 'P3';
```

The results are displayed in a table with 2 columns: EMPID and EMPPROJECT. There are 3 rows selected.

EMPID	EMPPROJECT
121	P1
321	P2
421	P1

Download CSV
3 rows selected.

© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym
Built with ❤️ using Oracle APEX - Privacy - Terms of Use

Ques.9. Write an SQL query to display the total salary of each employee adding the Salary with Variable value.

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

```
1 SELECT EmpId, (Salary + VariableSalary) AS TotalSalary FROM EmployeeSalary;
2
```

The results are displayed in a table:

EMP ID	TOTALSALARY
121	8500
321	11000
421	12000
521	6500

Download CSV
4 rows selected.

© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym
Built with ♥ using Oracle APEX - Privacy - Terms of Use

Ques.10. Write an SQL query to fetch the employees whose name begins with any two characters, followed by a text “It” and ending with any sequence of characters.

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

```
1 SELECT EmpId, FullName FROM EmployeeDetails WHERE FullName LIKE '___It%';
2
```

The results are displayed in a table:

EMPID	FULLNAME
321	Walter White

Download CSV

© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym
Built with ♥ using Oracle APEX - Privacy - Terms of Use

Ques.11. Write an SQL query to fetch all the EmpIds which are present in either of the tables – ‘EmployeeDetails’ and ‘EmployeeSalary’.

WhatsApp x Oracle Live SQL - SQL Worksheet x +

livesql.oracle.com/apex/f?p=590:1:5733521685571::NO::

mail hemnath YouTube Project28 Trello Workspace GitHub P28 T3 Landing Page Notion Home P28 NEW Java SAVEETHA ENGINE... P28 FIGMA LinkedIn

Live SQL Feedback Help hemnath.cse7@gmail.com

Home SQL Worksheet My Session Schema Quick SQL My Scripts My Tutorials Code Library

SQL Worksheet

```
1 SELECT EmpId FROM EmployeeDetails UNION SELECT EmpId FROM EmployeeSalary;
```

EMP ID
121
123
321
421
451
521

Download CSV
6 rows selected.

© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym
Built with ♥ using Oracle APEX - Privacy - Terms of Use

Ques.12. Write an SQL query to fetch common records between two tables.

WhatsApp x Oracle Live SQL - SQL Worksheet x +

livesql.oracle.com/apex/f?p=590:1:5733521685571::NO::

mail hemnath YouTube Project28 Trello Workspace GitHub P28 T3 Landing Page Notion Home P28 NEW Java SAVEETHA ENGINE... P28 FIGMA LinkedIn

Live SQL Feedback Help hemnath.cse7@gmail.com

Home SQL Worksheet My Session Schema Quick SQL My Scripts My Tutorials Code Library

SQL Worksheet

```
1 SELECT EmployeeDetails.EmpId, EmployeeDetails.FullName FROM EmployeeDetails INNER JOIN EmployeeSalary ON EmployeeDetails.EmpId = EmployeeSalary.EmpId;
```

EMP ID	FULLNAME
121	John Snow
321	Walter White
421	Kuldeep Rana
521	Jane Joe

Download CSV
4 rows selected.

© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym
Built with ♥ using Oracle APEX - Privacy - Terms of Use

Ques.13. Write an SQL query to fetch records that are present in one table but not in another table.

WhatsApp x Oracle Live SQL - SQL Worksheet x +

livesql.oracle.com/apex/f?p=590:1:5733521685571::NO...

mail hemnath YouTube Project28 Trello Workspace GitHub P28 T3 Landing Page Notion Home P28 NEW Java SAVEETHA ENGINE... P28 FIGMA LinkedIn

Live SQL Feedback Help hemnath.cse7@gmail.com

Home SQL Worksheet My Session Schema Quick SQL My Scripts My Tutorials Code Library

SQL Worksheet

```
1 SELECT * FROM EmployeeDetails WHERE EmpId NOT IN (SELECT EmpId FROM EmployeeSalary);
2
```

EMPID	FULLNAME	MANAGERID	DATEOFJOINING	CITY
451	Tony Stark	986	10-SEP-16	Mumbai
123	Peter Parker	121	21-MAR-15	Toronto

Download CSV
2 rows selected.

© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym
Built with using Oracle APEX - Privacy - Terms of Use

Ques.14. Write an SQL query to fetch the EmpIds that are present in both the tables – ‘EmployeeDetails’ and ‘EmployeeSalary.’

WhatsApp x Oracle Live SQL - SQL Worksheet x +

livesql.oracle.com/apex/f?p=590:1:5733521685571::NO...

mail hemnath YouTube Project28 Trello Workspace GitHub P28 T3 Landing Page Notion Home P28 NEW Java SAVEETHA ENGINE... P28 FIGMA LinkedIn

Live SQL Feedback Help hemnath.cse7@gmail.com

Home SQL Worksheet My Session Schema Quick SQL My Scripts My Tutorials Code Library

SQL Worksheet

```
1 SELECT EmployeeDetails.EmpId FROM EmployeeDetails INNER JOIN EmployeeSalary ON EmployeeDetails.EmpId = EmployeeSalary.EmpId;
2
```

EMPID
121
321
421
521

Download CSV
4 rows selected.

© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym
Built with using Oracle APEX - Privacy - Terms of Use

Ques.15. Write an SQL query to fetch the EmpIds that are present in EmployeeDetails but not in EmployeeSalary.

WhatsApp x Oracle Live SQL - SQL Worksheet x +

livesql.oracle.com/apex/f?p=590:1:5733521685571::NO::

mail hemnath YouTube Project28 Trello Workspace GitHub P28 T3 Landing Page Notion Home P28 NEW Java SAVEETHA ENGINE... P28 FIGMA LinkedIn

Live SQL Feedback Help hemnath.cse7@gmail.com

Home SQL Worksheet My Session Schema Quick SQL My Scripts My Tutorials Code Library

SQL Worksheet

```
1 SELECT EmpId FROM EmployeeDetails WHERE EmpId NOT IN (SELECT EmpId FROM EmployeeSalary);
2
```

EMP ID
451
123

Download CSV
2 rows selected.

© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym
Built with ♥ using Oracle APEX - Privacy - Terms of Use

Ques.16. Write an SQL query to fetch the employee full names and replace the space with '*'.

WhatsApp x Oracle Live SQL - SQL Worksheet x +

livesql.oracle.com/apex/f?p=590:1:5733521685571::NO::

mail hemnath YouTube Project28 Trello Workspace GitHub P28 T3 Landing Page Notion Home P28 NEW Java SAVEETHA ENGINE... P28 FIGMA LinkedIn

Live SQL Feedback Help hemnath.cse7@gmail.com

Home SQL Worksheet My Session Schema Quick SQL My Scripts My Tutorials Code Library

SQL Worksheet

```
1 SELECT REPLACE(FullName, ' ', '*') AS ReplacedName FROM EmployeeDetails;
2
```

REPLACEDNAME
John*Snow
Walter*White
Kuldeep*Rana
Peter*Parker
Jane*Joe
Tony*Stark

Download CSV
6 rows selected.

© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym
Built with ♥ using Oracle APEX - Privacy - Terms of Use