

**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'.**

Oracle Live SQL - Tutorial: Creating Tables

livesql.oracle.com/apex/f?p=590:112085263626142::CLEAR:1:TUTORIAL\_ID,P1\_SHOW\_LEARN\_SIDEBAR:1171238755092719413124705207...

Live SQL

SQL Worksheet

```

1 create table EmployeeDetails(Empid int primary key,fullname varchar(20),managerid int,DateOfJoining date,City varchar(20));
2 insert into EmployeeDetails values(121,'John Snow',521,'31/Jan/2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White',586,'30/Jan/2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27/Nov/2016','NewDelhi');
5 select Empid,fullname from EmployeeDetails where managerid=876;

```

Table created.

1 row(s) Inserted.

1 row(s) Inserted.

1 row(s) Inserted.

EMPID	FULLNAME
421	Kuldeep Rana

Download CSV

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An introduction to creating tables and the types of these available in Oracle Database.

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7. External Tables
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12. Dropping Tables
13. Try It!

To run code examples click the code in the tutorial side bar.

#### 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

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

Oracle Live SQL - Tutorial: Creating Tables

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Live SQL

SQL Worksheet

```

1 create table EmployeeSalary(Empid int primary key,Project varchar(20),Salary int,Variable int);
2 insert into EmployeeSalary values(121,'P1',8000,500);
3 insert into EmployeeSalary values(321,'P2',10000,1000);
4 insert into EmployeeSalary values(421,'P1',12000,0);
5 select distinct project from EmployeeSalary;

```

PROJECT
P1
P2

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2 rows selected.

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To run code examples click the code in the tutorial side bar.

#### 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

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

Oracle Live SQL - Tutorial: Creating Tables

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Live SQL

SQL Worksheet

```

1 create table EmployeeSalary(Empid int primary key,Project varchar(20),Salary int,Variable int);
2 insert into EmployeeSalary values(121,'P1',8000,500);
3 insert into EmployeeSalary values(321,'P2',10000,1000);
4 insert into EmployeeSalary values(421,'P1',12000,0);
5 select count(Empid) as COUNT_of_employees from EmployeeSalary where Project = 'P2';

```

COUNT\_OF\_EMPLOYEES

1
---

Download CSV

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To run code examples click the code in the tutorial side bar.

#### 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

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

Oracle Live SQL - Tutorial: Creating Tables

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Live SQL

SQL Worksheet

```

1 create table EmployeeSalary(Empid int primary key,Project varchar(20),Salary int,Variable int);
2 insert into EmployeeSalary values(121,'P1',8000,500);
3 insert into EmployeeSalary values(321,'P2',10000,1000);
4 insert into EmployeeSalary values(421,'P1',12000,0);
5 select max(salary),min(salary),avg(salary) from EmployeeSalary;

```

MAX(SALARY)	MIN(SALARY)	AVG(SALARY)
12000	8000	10000

Download CSV

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To run code examples click the code in the tutorial side bar.

#### 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

**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 code:

```

1 create table EmployeeSalary(Empid int primary key,Project varchar(20),Salary int,Variable int);
2 insert into EmployeeSalary values(121,'P1',8000,500);
3 insert into EmployeeSalary values(321,'P2',10000,1000);
4 insert into EmployeeSalary values(421,'P1',12000,0);
5 select max(salary),min(salary),avg(salary) from EmployeeSalary;
6 select Empid as ID_ from EmployeeSalary where salary between 10000 and 15000;

```

The results pane shows 2 rows selected:

ID_
321
421

Download CSV  
2 rows selected.

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**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 code:

```

1 drop table EmployeeDetails;
2 create table EmployeeDetails(Empid int primary key,fullname varchar(20),managerid int,DateOfJoining
3 date,City varchar(20));
4 insert into EmployeeDetails values(121,'John Snow',321,'31/Jan/2014','Toronto');
5 insert into EmployeeDetails values(321,'Walter White',986,'30/Jan/2015','California');
6 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27/Nov/2016','NewDelhi');
7 select * from EmployeeDetails where City = 'Toronto' and managerid = 121;

```

The results pane shows the following output:

```

Table dropped.
Table created.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
no data found

```

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**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.**

Oracle Live SQL - Tutorial: Creating Tables

Oracle Live SQL - SQL Worksheet

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```

1 drop table EmployeeDetails;
2 create table EmployeeDetails(Empid int primary key,fullname varchar(20),managerid int,DateOfJoining
3 date,City varchar(20));
4 insert into EmployeeDetails values(121,'John Snow',321,'31-Jan-2014','Toronto');
5 insert into EmployeeDetails values(321,'Walter White',986,'30-Jan-2015','California');
6 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27-Nov-2016','NewDelhi');
7 select * from EmployeeDetails where City = 'NewDelhi' or managerid = 321;

```

EMPID	FULLNAME	MANAGERID	DATEOFJOINING	CITY
121	John Snow	321	31-Jan-14	Toronto
421	Kuldeep Rana	876	27-Nov-16	NewDelhi

Download CSV  
2 rows selected.

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To run code examples click the code in the tutorial side bar.

#### 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

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

Oracle Live SQL - Tutorial: Creating Tables

Oracle Live SQL - SQL Worksheet

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```

1 select * from EmployeeSalary where Project not in ('P3');
2

```

EMPID	PROJECT	SALARY	VARIABLE
121	P1	9000	500
321	P2	10000	1000
421	P1	12000	0

Download CSV  
3 rows selected.

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13. Try It!

To run code examples click the code in the tutorial side bar.

#### 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

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

Oracle Live SQL - Tutorial: Creating Tables

Oracle Live SQL - SQL Worksheet

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```
1 select * from EmployeeSalary where Project not in ('P3');
2 select EmpId, (salary + variable) from EmployeeSalary;
```

EMPID	PROJECT	SALARY	VARIABLE
121	P1	8000	500
721	P2	10000	1000
421	P1	12000	0

Download CSV  
3 rows selected.

EMPID	(SALARY+VARIABLE)
121	8500
721	11000
421	12000

Download CSV  
3 rows selected.

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To run code examples click the code in the tutorial side bar.

#### 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

**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.**

Oracle Live SQL - Tutorial: Creating Tables

Oracle Live SQL - SQL Worksheet

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```
1 select * from EmployeeSalary where Project not in ('P3');
2 select EmpId, (salary + variable) from EmployeeSalary;
3 select * from EmployeeDetails where fullname like 'It%';
```

no data found

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To run code examples click the code in the tutorial side bar.

#### 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

**Ques.11. Write an SQL query to fetch all the Emplds which are present in either of the tables – 'EmployeeDetails' and 'EmployeeSalary'.**

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

```

1 select * from EmployeeSalary where Project not in ('P3');
2 select Empid, (salary + variable) from EmployeeSalary;
3 select * from EmployeeDetails where fullname like 'it%';
4 select Empid from EmployeeDetails union select Empid from EmployeeSalary;

```

The results table shows 3 rows selected:

EMPID
121
321
421

Download CSV  
3 rows selected.

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

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

```

1 select * from EmployeeSalary where Project not in ('P3');
2 select Empid, (salary + variable) from EmployeeSalary;
3 select * from EmployeeDetails where fullname like 'it%';
4 select Empid from EmployeeDetails union select Empid from EmployeeSalary;
5 select * from EmployeeDetails where Empid in (select Empid from EmployeeSalary);
6
7

```

The results table shows 3 rows selected:

EMPID	FULLNAME	MANAGERID	DATEOFJOINING	CITY
121	John Shaw	321	31-JAN-14	Toronto
321	Walter White	986	30-JAN-15	California
421	Kuldeep Rana	876	27-NOV-16	NewDelhi

Download CSV  
3 rows selected.

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



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

```

1 select * from EmployeeSalary where Project not in ('P3');
2 select EmpId, (salary + variable) from EmployeeSalary;
3 select * from EmployeeDetails where fullname like 'it%';
4 select EmpId from EmployeeDetails union select EmpId from EmployeeSalary;
5 select * from EmployeeDetails where EmpId in (select EmpId from EmployeeSalary);
6 select EmployeeDetails.* from EmployeeDetails where EmpId not in (select EmpId from EmployeeSalary);
7
8

```

The result area displays "no data found".

On the right, a tutorial titled "Creating Tables: Databases for Developers" is visible, showing a list of modules and the first module "1. Creating a Table".

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

The screenshot shows the Oracle Live SQL interface with the same query as in the previous screenshot. The result area now displays a table with 3 rows of data:

EMPID
121
321
421

Below the table, it says "Download CSV" and "3 rows selected".

The tutorial on the right remains the same.

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



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

```

1 select * from EmployeeSalary where Project not in ('P3');
2 select EmpId, (salary + variable) from EmployeeSalary;
3 select * from EmployeeDetails where fullname like 'it%';
4 select EmpId from EmployeeDetails union select EmpId from EmployeeSalary;
5 select * from EmployeeDetails where EmpId in (select EmpId from EmployeeSalary);
6 select EmployeeDetails.* from EmployeeDetails where EmpId not in (select EmpId from EmployeeSalary);
7 select EmpId from EmployeeDetails where EmpId in (select EmpId from EmployeeSalary);
8 select EmpId from EmployeeDetails where EmpId not in (select EmpId from EmployeeSalary);
9
10

```

The result area shows "no data found".

On the right, there is a tutorial titled "Creating Tables: Databases for Developers" with a list of modules:

1. Creating a Table
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Below the modules, it says "To run code examples click the code in the tutorial side bar."

Section 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

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

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the same query as above.

The result area shows the output of the REPLACE function:

```

REPLACE(FULLNAME, ' ', '*')
John*Shou
Walter*White
Kuldeep*Rana

```

Download CSV  
3 rows selected.

On the right, there is a tutorial titled "Creating Tables: Databases for Developers" with a list of modules:

1. Creating a Table
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13. Try It!

Below the modules, it says "To run code examples click the code in the tutorial side bar."

Section 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

**Ques.17. Write an SQL query to fetch the position of a given character(s) in a field.**

Oracle Live SQL - Tutorial: Creating Tables

Oracle Live SQL - SQL Worksheet

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```

1 select * from EmployeeSalary where Project not in ('P3');
2 select EmpId, (salary + variable) from EmployeeSalary;
3 select * from EmployeeDetails where fullname like 'it%';
4 select EmpId from EmployeeDetails union select EmpId from EmployeeSalary;
5 select * from EmployeeDetails where EmpId in (select EmpId from EmployeeSalary);
6 select EmployeeDetails.* from EmployeeDetails where EmpId not in (select EmpId from EmployeeSalary);
7 select EmpId from EmployeeDetails where EmpId in (select EmpId from EmployeeSalary);
8 select EmpId from EmployeeDetails where EmpId not in (select EmpId from EmployeeSalary);
9 select replace(fullname, ' ', '') from EmployeeDetails;
10 select instr(fullname, '$') from EmployeeDetails;
11

```

INSTR(FULLNAME, '\$')

6
0
0

Download CSV

3 rows selected.

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To run code examples click the code in the tutorial side bar.

#### 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

**Ques.18. Write an SQL query to display both the EmpId and ManagerId together.**

Oracle Live SQL - Tutorial: Creating Tables

Oracle Live SQL - SQL Worksheet

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```

1 select * from EmployeeSalary where Project not in ('P3');
2 select EmpId, (salary + variable) from EmployeeSalary;
3 select * from EmployeeDetails where fullname like 'it%';
4 select EmpId from EmployeeDetails union select EmpId from EmployeeSalary;
5 select * from EmployeeDetails where EmpId in (select EmpId from EmployeeSalary);
6 select EmployeeDetails.* from EmployeeDetails where EmpId not in (select EmpId from EmployeeSalary);
7 select EmpId from EmployeeDetails where EmpId in (select EmpId from EmployeeSalary);
8 select EmpId from EmployeeDetails where EmpId not in (select EmpId from EmployeeSalary);
9 select replace(fullname, ' ', '') from EmployeeDetails;
10 select instr(fullname, '$') from EmployeeDetails;
11 select concat(empid,managerid) from EmployeeDetails;

```

CONCAT(EMPID,MANAGERID)

121321
321986
421876

Download CSV

3 rows selected.

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13. Try It!

To run code examples click the code in the tutorial side bar.

#### 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

**Ques.19. Write a query to fetch only the first name(string before space) from the FullName column of the EmployeeDetails table.**

**Ques.20. Write an SQL query to upper case the name of the employee and lower case the city values.**

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

```
1 select upper(fullname),lower(city) from EmployeeDetails;
```

The results are displayed in a table:

UPPER(FULLNAME)	LOWER(CITY)
JOHN SHON	toronto
WALTER WHITE	california
KULDEEP RANA	newdelhi

Download CSV  
3 rows selected.

On the right, there is a tutorial titled "Creating Tables: Databases for Developers" with a list of modules.

**Ques.21. Write an SQL query to find the count of the total occurrences of a particular character – 'n' in the FullName field.**

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

```
1 select fullname, length(fullname) - length(replace(fullname, 'n', '')) from EmployeeDetails;
```

The results are displayed in a table:

FULLNAME	LENGTH(FULLNAME) - LENGTH(REPLACE(FULLNAME, 'N', ''))
John Shon	1
Walter white	0
Kuldeep Rana	1

Download CSV  
3 rows selected.

On the right, there is a tutorial titled "Creating Tables: Databases for Developers" with a list of modules.

**Ques.22. Write an SQL query to update the employee names by removing leading and trailing spaces.**

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

```
1 update EmployeeDetails set fullname = ltrim(rtrim(fullname));
2 select * from EmployeeDetails;
```

The results show 3 rows updated and a table with 5 columns: EMPID, FULLNAME, MANAGERID, DATEOFJOINING, and CITY.

EMPID	FULLNAME	MANAGERID	DATEOFJOINING	CITY
121	John Snow	321	31-JAN-14	Toronto
321	Walter White	986	30-JAN-15	California
421	Kuldeep Rana	876	27-NOV-16	NewDehli

Download CSV  
3 rows selected.

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**Ques.23. Fetch all the employees who are not working on any project.**

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

```
1 select EmpId from EmployeeSalary where project is null;
```

The results show "no data found".

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**Ques.24. Write an SQL query to fetch employee names having a salary greater than or equal to 5000 and less than or equal to 10000.**

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

```
1 select fullname from EmployeeDetails where EmpId in (Select EmpId from EmployeeSalary where Salary between 5000 and 10000);
```

The results are displayed in a table:

FULLNAME
John Snow
Walter White

Download CSV  
2 rows selected.

On the right, there is a tutorial titled "Creating Tables: Databases for Developers" with a list of modules and instructions on how to run code examples.

**Ques.25. Write an SQL query to find the current date-time.**

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

```
1 select sysdate from dual;
```

The results are displayed in a table:

SYSDATE
28-OCT-22

Download CSV

On the right, there is a tutorial titled "Creating Tables: Databases for Developers" with a list of modules and instructions on how to run code examples.

**Ques.26. Write an SQL query to fetch all the Employees details from EmployeeDetails table who joined in the Year 2016.**

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

```
1 select * from EmployeeDetails where DateofJoining between '01/Jan/2016' and '31/Dec/2016';
```

The results table displays the following data:

EMPID	FULLNAME	MANAGERID	DATEOFJOINING	CITY
421	Kuldeep Rana	876	27-NOV-16	NewDehli

Below the table, it says "Download CSV". On the right side, there is a "Close Tutorial" button and a "Creating Tables: Databases for Developers" section with a list of modules.

**Ques.27. Write an SQL query to fetch all employee records from EmployeeDetails table who have a salary record in EmployeeSalary table.**

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

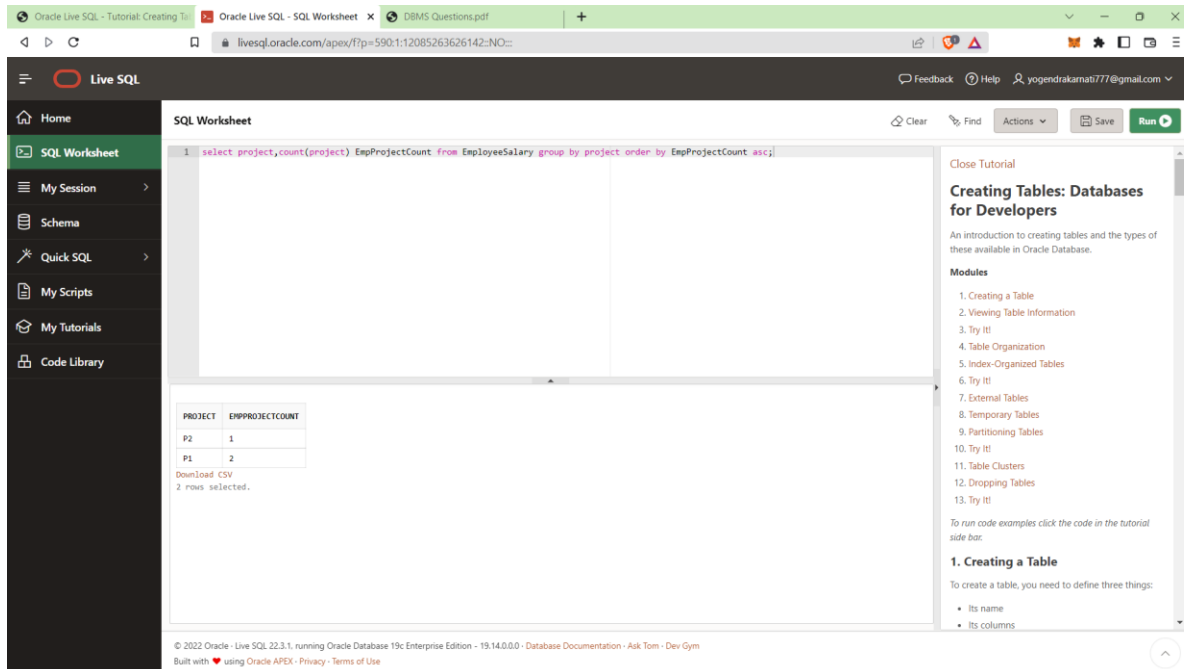
```
1 select * from EmployeeDetails E where exists (select * from EmployeeSalary S where E.EmpId = S.EmpId);
```

The results table displays the following data:

EMPID	FULLNAME	MANAGERID	DATEOFJOINING	CITY
121	John Snow	321	31-JAN-14	Toronto
321	Walter White	986	30-MAR-15	California
421	Kuldeep Rana	876	27-NOV-16	NewDehli

Below the table, it says "Download CSV" and "3 rows selected". On the right side, there is a "Close Tutorial" button and a "Creating Tables: Databases for Developers" section with a list of modules.

**Ques.28. Write an SQL query to fetch project-wise count of employees sorted by project's count in ascending order.**



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

```
1 select project,count(project) EmpProjectCount from EmployeeSalary group by project order by EmpProjectCount asc;
```

The results are displayed in a table:

PROJECT	EMPPROJECTCOUNT
P2	1
P1	2

Below the table, it says "Download CSV" and "2 rows selected." On the right side, there is a tutorial titled "Creating Tables: Databases for Developers" with a list of modules and instructions.

**Ques.29. Write a query to fetch employee names and salary records. Display the employee details even if the salary record is not present for the employee.**



S

Oracle Live SQL - Tutorial: Creating Tables

Oracle Live SQL - SQL Worksheet

DBMS Questions.pdf

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FeedbackHelpyogendrakarnati777@gmail.com

Home

SQL Worksheet

ClearFindActionsSaveRun

1 select E.fullname, S.salary from EmployeeDetails E left join EmployeeSalary S on E.EmpId = S.EmpId

FULLNAME	SALARY
John Snow	8000
Walter White	10000
Kuldeep Rana	12000

Download CSV  
3 rows selected.

Close Tutorial

### Creating Tables: Databases for Developers

An introduction to creating tables and the types of these available in Oracle Database.

**Modules**

1. Creating a Table
2. Viewing Table Information
3. Try It!
4. Table Organization
5. Index-Organized Tables
6. Try It!
7. External Tables
8. Temporary Tables
9. Partitioning Tables
10. Try It!
11. Table Clusters
12. Dropping Tables
13. Try It!

To run code examples click the code in the tutorial side bar.

#### 1. Creating a Table

To create a table, you need to define three things:

- Its name
- Its columns

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