

Table – EmployeeDetails

create table EmployeeDetails(Empid int primary key,fullname varchar(20),managerid int,DateOfJoining date,City varchar(20));

insert into EmployeeDetails values(121,'John Show',321,'31/Jan/2014','Toronto');

insert into EmployeeDetails values(321,'Walter White',986,'30/Jan/2015','California');

insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27/Nov/2016','NewDelhi');

select Empid,fullname from EmployeeDetails where managerid=876;

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

create table EmployeeSalary(Empid int primary key,Project varchar(20),Salary int,Variable int);

insert into EmployeeSalary values(121,'P1',8000,500);

insert into EmployeeSalary values(321,'P2',10000,1000);

insert into EmployeeSalary values(421,'P1',12000,0);

select * from 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 SQL Worksheet contains the following code:

```
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','321','31/Jan/2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White','288','30/Jan/2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana','876','27/Nov/2016','NewDehli');
5 select empid,fullname from EmployeeDetails where managerid=876;
```

The query result is displayed in a table:

EMPID	FULLNAME
421	Kuldeep Rana

Download CSV

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 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 distinct project from EmployeeSalary;
```

The query result is displayed in a table:

PROJECT
P1
P2

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2 rows selected.

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

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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;
6 select count(Empid) as WorkersinP2 from EmployeeSalary where Project='P2';

```

WORKERSINP2

1

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

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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;
6 select count(Empid) as WorkersinP2 from EmployeeSalary where Project='P2';
7 select max(Salary),min(Salary),avg(Salary) from EmployeeSalary;

```

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

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

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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;
6 select count(Empid) as WorkersinP2 from EmployeeSalary where Project='P2';
7 select max(Salary),min(Salary),avg(Salary) from EmployeeSalary;
8 select Salary from EmployeeSalary where Salary between 10000 and 15000;

```

SALARY
10000
12000
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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.

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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',321,'31/Jan/2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White',986,'30/Jan/2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27/Nov/2016','NewDelhi');
5 select * from EmployeeDetails where City='Toronto' and managerid=121;

```

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.

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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',321,'31/Jan/2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White',986,'30/Jan/2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27/Nov/2016','NewDelhi');
5 select * from EmployeeDetails where City='NewDelhi' and managerid=321;

```

no data found

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

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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 * from EmployeeSalary where Project not in ('P3');
6

```

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

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

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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 * from EmployeeSalary where Project not in ('P3');
6 select Empid,Project,(Salary+Variable) as TotalSalary from EmployeeSalary;

```

EMPID	PROJECT	TOTALSALARY
121	P1	8500
321	P2	11000
421	P1	12000

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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.

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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',321,'31/Jan/2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White',986,'30/Jan/2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27/Nov/2016','NewDehli');
5 select Empid,fullname from EmployeeDetails where managerid=876;
6 select * from EmployeeDetails where fullname like 'It%';

```

no data found

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

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SQL Worksheet

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```

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 Show',321,'31-Jan-2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White',986,'30-Jan-2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27-Nov-2016','NewDelhi');
5 select * from EmployeeDetails;
6 select Empid from EmployeeDetails union select Empid from EmployeeSalary;

```

EMPID
121
321
421

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

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SQL Worksheet

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```

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 Show',321,'31-Jan-2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White',986,'30-Jan-2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27-Nov-2016','NewDelhi');
5 select * from EmployeeDetails;
6 select * from EmployeeDetails where Empid in (select Empid from EmployeeSalary);

```

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

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

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SQL Worksheet

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```

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',321,'31/Jan/2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White',986,'30/Jan/2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27/Nov/2016','NewDelhi');
5 select * from EmployeeDetails;
6 SELECT EmployeeDetails.* FROM EmployeeDetails WHERE Empid not IN (SELECT Empid FROM EmployeeSalary);

```

no data found

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ENG IN 12:33 27-10-2022

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

Oracle Live SQL - SQL | drop syntax in sql - Y | SQL DROP TABLE Sta | Write an SQL query to: | Write an SQL query to: | left join sql - Yahoo | SQL LEFT JOIN Keyw | + | - | X

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SQL Worksheet

Clear | Find | Actions | Save | Run

```

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',321,'31/Jan/2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White',986,'30/Jan/2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27/Nov/2016','NewDelhi');
5 select * from EmployeeDetails;
6 SELECT Empid FROM EmployeeDetails WHERE Empid IN (SELECT Empid FROM EmployeeSalary);
7

```

EMPID
121
321
421

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

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SQL Worksheet Clear Find Actions Save Run

```

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 Show',321,'31/Jan/2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White',986,'30/Jan/2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27/Nov/2016','NewDelhi');
5 select * from EmployeeDetails;
6 SELECT Empid FROM EmployeeDetails WHERE Empid not IN (SELECT Empid FROM EmployeeSalary);
7

```

no data found

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

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SQL Worksheet Clear Find Actions Save Run

```

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 Show',321,'31/Jan/2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White',986,'30/Jan/2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27/Nov/2016','NewDelhi');
5 select * from EmployeeDetails;
6 SELECT Empid FROM EmployeeDetails WHERE Empid not IN (SELECT Empid FROM EmployeeSalary);
7 select replace(fullname,' ','*') from EmployeeDetails;

```

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

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

Oracle Live SQL - SQL Worksheet

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SQL Worksheet

Clear Find Actions Save Run

```

1 create table EmployeeDetails(Empld int primary key,fullname varchar(20),managerid int,DateOfJoining date,City varchar(20));
2 insert into EmployeeDetails values(121,'John Snow',321,'31/Jan/2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White',986,'30/Jan/2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27/Nov/2016','NewDelhi');
5 select * from EmployeeDetails;
6 SELECT Empld FROM EmployeeDetails WHERE Empld not IN (SELECT Empld FROM EmployeeSalary);
7 select replace(fullname,' ','') from EmployeeDetails;
8 select instr(fullname,'S') from EmployeeDetails;

```

INSTR(FULLNAME,'S')

6
0
0

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

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SQL Worksheet

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```

1 create table EmployeeDetails(Empld int primary key,fullname varchar(20),managerid int,DateOfJoining date,City varchar(20));
2 insert into EmployeeDetails values(121,'John Snow',321,'31/Jan/2014','Toronto');
3 insert into EmployeeDetails values(321,'Walter White',986,'30/Jan/2015','California');
4 insert into EmployeeDetails values(421,'Kuldeep Rana',876,'27/Nov/2016','NewDelhi');
5 select * from EmployeeDetails;
6 SELECT Empld FROM EmployeeDetails WHERE Empld not IN (SELECT Empld FROM EmployeeSalary);
7 select replace(fullname,' ','') from EmployeeDetails;
8 select instr(fullname,'S') from EmployeeDetails;
9 select concat(Empld,managerid) from EmployeeDetails;

```

CONCAT(EMPLD,MANAGERID)

121321
321986
421876

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

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Input

```
SELECT SUBSTRING(FullName, 1, CHARINDEX(' ', FullName))
FROM EmployeeDetails;
```

Output

SUBSTRING(FullName, 1, CHARINDEX(' ', FullName))
John
Walter
Kuldeep

85°F Mostly cloudy

ENG IN 13:27 27-10-2022

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

Online SQL Editor

Live SQL

SQL Worksheet

```
1 SELECT UPPER(FullName), LOWER(City) FROM EmployeeDetails;
```

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

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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,  
2 LENGTH(FullName) - LENGTH(REPLACE(FullName, 'n', ''))  
3 FROM EmployeeDetails;
```

The results table shows the following data:

FULLNAME	LENGTH(FULLNAME) - LENGTH(REPLACE(FULLNAME, 'n', ''))
John Show	1
Walter White	0
Kuldeep Rana	1

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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  
2 SET FullName = LTRIM(RTRIM(FullName));  
3 select * from EmployeeDetails;
```

The results table shows the following data:

EMPID	FULLNAME	MANAGERID	DATEOFJOINING	CITY
121	John Show	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.23. Fetch all the employees who are not working on any project.

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Live SQL

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SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT EmpId FROM EmployeeSalary
2 WHERE Project IS NULL;
3
```

no data found

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ENG IN 13:43 27-10-2022

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.

Online SQL Editor x (1) WhatsApp x Oracle Live SQL - SQL Worksheet x +

livesql.oracle.com/apex/?p=590:1:324843776024:NO:RP::

Live SQL

Feedback Help edulaganeshreddy123@gmail.com

SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT FullName
2 FROM EmployeeDetails
3 WHERE EmpId IN
4 (SELECT EmpId FROM EmployeeSalary
5 WHERE Salary BETWEEN 5000 AND 10000);
6
```

FULLNAME
John Snow
Walter White

Download CSV
2 rows selected.

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ENG IN 13:44 27-10-2022

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

Online SQL Editor x (1) WhatsApp x Oracle Live SQL - SQL Worksheet x New Tab x +

livesql.oracle.com/apex/?p=590:1:324843776024:NO:RP::

Live SQL

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SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT sysdate from dual;
```

SYSDATE
27-OCT-22
Download CSV

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ENG IN 13:47 27-10-2022

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

Online SQL Editor x (1) WhatsApp x Oracle Live SQL - SQL Worksheet x New Tab x +

livesql.oracle.com/apex/?p=590:1:324843776024:NO:RP::

Live SQL

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SQL Worksheet

Clear Find Actions Save Run

```
1 SELECT * FROM EmployeeDetails
2 WHERE DateOfJoining BETWEEN '01/Jan/2016'
3 AND '31/Dec/2016';
4
```

EMPID	FULLNAME	MANAGERID	DATEOFJOINING	CITY
421	KuIdEEP Rana	876	27-NOV-16	HimDeIhi

Download CSV

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ENG IN 13:50 27-10-2022

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

Online SQL Editor x (1) WhatsApp x Oracle Live SQL - SQL Worksheet x New Tab x +

livesql.oracle.com/apex/?p=590:1324843776024:NO:RP::

Live SQL

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SQL Worksheet Clear Find Actions Save Run

```

1 SELECT * FROM EmployeeDetails E
2 WHERE EXISTS
3 (SELECT * FROM EmployeeSalary S
4  WHERE E.EmpId = S.EmpId);
5

```

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	NewDelhi

Download CSV
3 rows selected.

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ENG IN 13:51 27-10-2022

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

Online SQL Editor x (1) WhatsApp x Oracle Live SQL - SQL Worksheet x New Tab x +

livesql.oracle.com/apex/?p=590:1324843776024:NO:RP::

Live SQL

Feedback Help edulaganeshreddy123@gmail.com

SQL Worksheet Clear Find Actions Save Run

```

1 SELECT Project, count(Project) EmpProjectCount
2 FROM EmployeeSalary
3 GROUP BY Project
4 ORDER BY EmpProjectCount asc;
5

```

PROJECT	EMPPROJECTCOUNT
P2	1
P1	2

Download CSV
2 rows selected.

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ENG IN 13:53 27-10-2022

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.

The screenshot shows the Oracle Live SQL interface. The browser tabs include 'Online SQL Editor', '(1) WhatsApp', 'Oracle Live SQL - SQL Worksheet', and 'New Tab'. The address bar shows the URL 'livesql.oracle.com/apex/?p=590:1:324843776024:NO:RP::'. The 'Live SQL' header is visible with a search bar and user email 'edulaganeshreddy123@gmail.com'. The 'SQL Worksheet' section contains the following SQL query:

```
1 SELECT E.FullName, S.Salary
2 FROM EmployeeDetails E
3 LEFT JOIN
4 EmployeeSalary S
5 ON E.EmpId = S.EmpId
6
```

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

FULLNAME	SALARY
John Snow	8000
Walter White	10000
Kuldeep Rana	12000

Below the table, it says 'Download CSV' and '3 rows selected.' The footer of the interface includes 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' and 'Built with ♥ using Oracle APEX - Privacy - Terms of Use'. The system tray at the bottom shows the date '27-10-2022' and time '13:54'.