

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

Live SQL

SQL Worksheet

```

21 INSERT INTO EmployeeSalary
22 VALUES (121,'P1',8000,500);
23 INSERT INTO EmployeeSalary
24 VALUES (321,'P2',10000,1000);
25 INSERT INTO EmployeeSalary
26 VALUES (421,'P1',12000,0);
27
28 SELECT EmpId, FullName
29 FROM EmployeeDetails
30 WHERE ManagerId = 986;

```

1 row(s) inserted.

1 row(s) inserted.

EMPID	FULLNAME
321	Walter White
321	Walter White
321	Walter White
321	Walter White

Download CSV
4 rows selected.

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

Live SQL

SQL Worksheet

```

14
15 CREATE TABLE EmployeeSalary (
16     EmpId varchar(255),
17     Projects varchar(255),
18     Salary varchar(255),
19     Variables varchar(255)
20 );
21 INSERT INTO EmployeeSalary
22 VALUES (121,'P1',8000,500);
23 INSERT INTO EmployeeSalary
24 VALUES (321,'P2',10000,1000);
25 INSERT INTO EmployeeSalary
26 VALUES (421,'P1',12000,0);
27
28 SELECT EmpId, FullName
29 FROM EmployeeDetails
30 WHERE ManagerId = 986;
31
32 SELECT DISTINCT(Projects)
33 FROM EmployeeSalary;

```

3 rows selected.

PROJECTS
P1
P2

Download CSV
2 rows selected.

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

Live SQL

SQL Worksheet

```

1 SELECT COUNT(*)
2 FROM EmployeeSalary
3 WHERE Projects = 'P2';

```

COUNT(*)
3

Download CSV

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

Live SQL

SQL Worksheet

```
1 SELECT Max(Salary),
2 Min(Salary),
3 AVG(Salary)
4 FROM EmployeeSalary;
```

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

Live SQL

SQL Worksheet

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

EMPID	SALARY
321	10000
421	12000
321	10000
421	12000
321	10000
421	12000

Download CSV
6 rows selected.

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

Live SQL

SQL Worksheet

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

no data found

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.

Live SQL

SQL Worksheet

```

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

```

EMPID	CITY	MANAGERID
121	Toronto	321
421	New Delhi	876

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

Live SQL

SQL Worksheet

```

1 SELECT * FROM EmployeeSalary WHERE ProjectS!='P3';

```

EMPID	PROJECTS	SALARY	VARIABLES
121	P1	8000	500
321	P2	10000	1000
421	P1	12000	0

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

Live SQL

SQL Worksheet

```

1 SELECT EmpId,
2 Salary+Variables as TotalSalary
3 FROM EmployeeSalary;

```

EMPID	TOTALSALARY
121	8500
321	11000
421	12000

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.

Live SQL

SQL Worksheet

1 `SELECT EmpId FROM EmployeeDetails WHERE FullName LIKE '___it%';`

no data found

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

Live SQL

SQL Worksheet

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

EMPID
121
321
421

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

Live SQL

SQL Worksheet

1 `SELECT EmpId FROM EmployeeDetails`
 2 `INTERSECT`
 3 `SELECT EmpId FROM EmployeeSalary;`

EMPID
121
321
421

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

Live SQL

SQL Worksheet

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

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

The screenshot shows the Live SQL interface with the following SQL query entered in the worksheet:

```
1 SELECT EmpId FROM EmployeeDetails
2 INTERSECT
3 SELECT EmpId FROM EmployeeSalary;
```

The results pane below the query shows a table with the following data:

EMPID
121
321
421

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

The screenshot shows the Live SQL interface with the following SQL query entered in the worksheet:

```
1 SELECT EmpId FROM EmployeeDetails
2 where EmpId Not IN
3 (SELECT EmpId FROM EmployeeSalary);
```

The results pane below the query shows the message: "no data found".

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

The screenshot shows the Live SQL interface with the following SQL query entered in the worksheet:

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

The results pane below the query shows a table with the following data:

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

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

SQL Worksheet

Clear Find Actions Save Run

```

1 SELECT INSTR(FullName, 's')
2 FROM EmployeeDetails;

```

INSTR(FULLNAME, 's')
0
0
0

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

Live SQL

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SQL Worksheet

Clear Find Actions Save Run

```

1 SELECT CONCAT(EmpId, ManagerId) as NewId
2 FROM EmployeeDetails;

```

NEWID
121321
321966

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

Live SQL

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SQL Worksheet

Clear Find Actions Save Run

```

1 SELECT substr(FullName, 1, instr(FullName, ' '))
2 FROM EmployeeDetails;

```

SUBSTR(FULLNAME,1,INSTR(FULLNAME,' '))
John
Walter
Kuldeep

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

Live SQL

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SQL Worksheet

Clear Find Actions Save Run

```

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

```

UPPER(FULLNAME)	LOWER(CITY)
JOHN SNOW	toronto
WALTER WHITE	california
KULDEEP RAINA	new delhi

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

Live SQL

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SQL Worksheet Clear Find Actions Save

```

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

```

FULLNAME	LENGTH(FULLNAME)-LENGTH(REPLACE(FULLNAME,'N',''))
John Snow	2
Walter White	0
Kuldeep Rana	1

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

```

1 UPDATE EmployeeDetails
2 SET FullName = LTRIM(RTRIM(FullName));

```

22 row(s) updated.

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

Live SQL

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SQL Worksheet Clear Find Actions Save Run

```

1 SELECT EmpId FROM EmployeeSalary WHERE Projects IS NULL;

```

no data found

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.

Live SQL

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SQL Worksheet Clear Find Actions Save Run

```

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

```

FULLNAME
John Snow
John Snow
John Snow
John Snow
John Snow
John Snow
John Snow
John Snow
John Snow
Walter White

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

Live SQL

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SQL Worksheet

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Actions

Save

Run

```

1 SELECT SYSDATE FROM DUAL;
2

```

SYSDATE

27-OCT-22

Download CSV

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

Live SQL

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SQL Worksheet

Clear

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Actions

Save

Run

```

1 SELECT * FROM EmployeeDetails
2 WHERE DateOfJoining BETWEEN '01/JAN/16'
3 AND '31/DEC/16';

```

EMPID	FULLNAME	MANAGERID	DATEOFJOINING	CITY
421	Kuldeep Rana	876	27/11/2016	New Delhi

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

Live SQL

Feedback

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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);

```

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

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

Live SQL

Feedback

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SQL Worksheet

Clear

Find

Actions

Save

Run

```

1 SELECT Projects, count(EmpId) EmpProjectCount
2 FROM EmployeeSalary
3 GROUP BY Projects
4 ORDER BY EmpProjectCount DESC;

```

PROJECTS	EMPPROJECTCOUNT
P1	10
P2	5

Download CSV
2 rows selected.

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.

[illegible]