Answer Sheet - SQL

Name : Prajapati Parikshit Virabhai

Phone No. : 9998428706
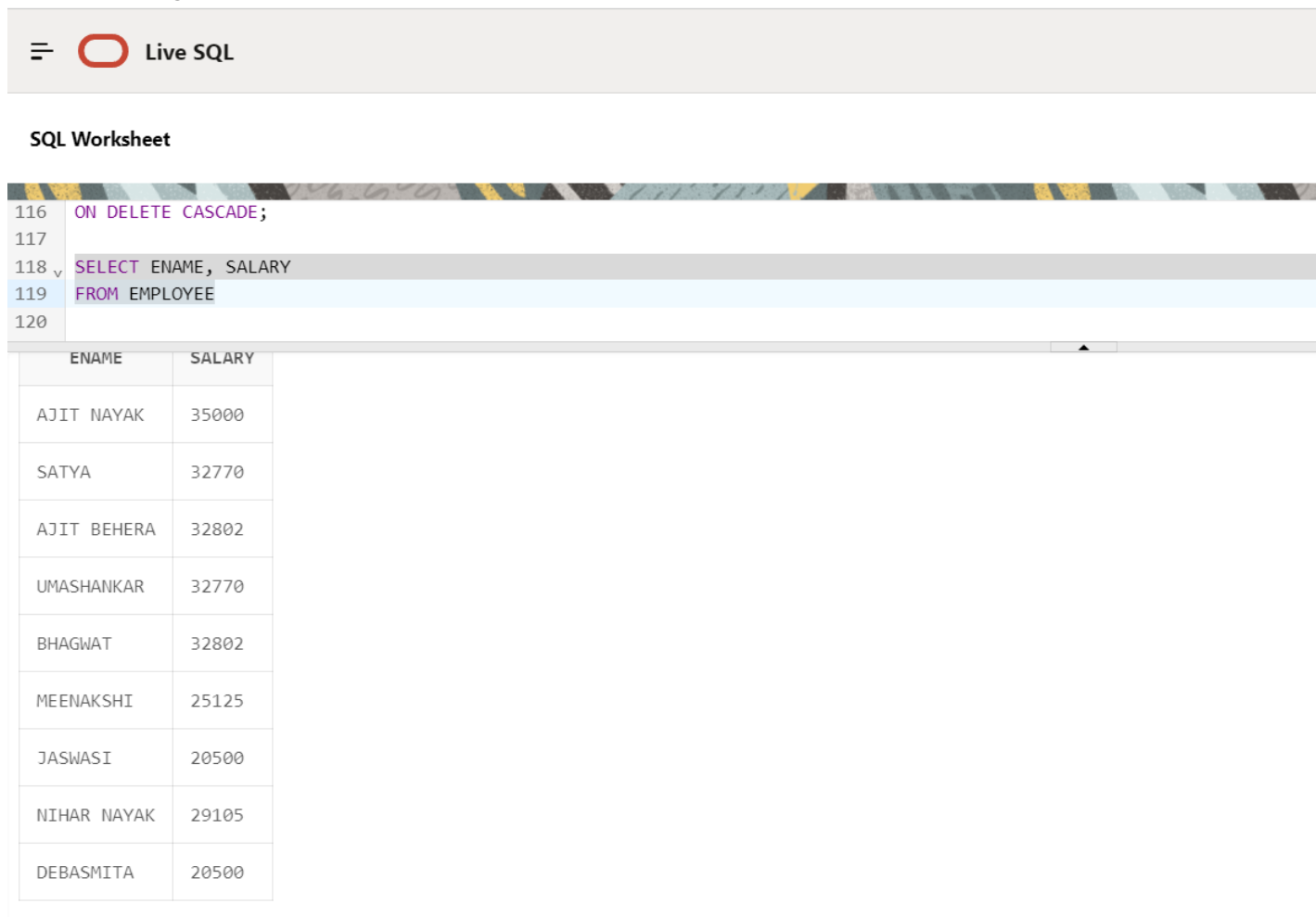
Email : parikshitprajapti2001@gmail.com

Major Question 1

A)List the salary of all the employees.

```
SELECT ENAME, SALARY

FROM EMPLOYEE
```

Insert Image-

ENAME	SALARY
AJIT NAYAK	35000
SATYA	32770
AJIT BEHERA	32802
UMASHANKAR	32770
BHAGWAT	32802
MEENAKSHI	25125
JASWASI	20500
NIHAR NAYAK	29105
DEBASMITA	20500

B) Display the names of all employees with any "A" at any place of the name.

```
SELECT ENAME
FROM EMPLOYEE
WHERE REGEXP_LIKE(ENAME, 'A', 'i');
```

Insert Image –

SQL Worksheet

```
119   FROM EMPLOYEE
120
121   SELECT ENAME
122   FROM EMPLOYEE
123   WHERE REGEXP_LIKE(ENAME, 'A', 'i');
124
```

ENAME
AJIT NAYAK
SATYA
AJIT BEHERA
UMASHANKAR
BHAGWAT
MEENAKSHI
JASWASI
NIHAR NAYAK
DEBASMITA

C) Show all employees who were hired in the first half of the month (Before the 16th of the month).

```
SELECT *
FROM EMPLOYEE
WHERE EXTRACT(DAY FROM BDATE) <= 15;
```

Insert Image -

SQL Worksheet

```
123    WHERE REGEXP_LIKE(ENAME, 'A', 'I');
124
125 ∨  SELECT *
126    FROM EMPLOYEE
127    WHERE EXTRACT(DAY FROM BDATE) <= 15;
128
```

ENAME	ESRNO	BDATE	ADDRESS	SEX	SALARY	MGRSRNO	DNO
AJIT BEHERA	315152	09-JUL-71	10 KALINGA	M	32802	133100	3
JASWASI	215485	12-AUG-79	17 BOSTON	M	20500	495823	4

Download CSV

2 rows selected.

D)Display the name of all female employees.

```
SELECT ENAME
FROM EMPLOYEE
WHERE SEX = 'F';
```

Insert Image -

SQL Worksheet

```
128
129 v  SELECT ENAME
130    FROM EMPLOYEE
131    WHERE SEX = 'F';
132
```

ENAME
MEENAKSHI
DEBASMITA

Download CSV

2 rows selected.

E) Display the employee who is paid most in the company.

```
SELECT ENAME, SALARY

FROM EMPLOYEE

WHERE SALARY = (SELECT MAX(SALARY) FROM EMPLOYEE);
```

Insert Image –

= ◯ **Live SQL**

SQL Worksheet

```
131   WHERE SEX = 'F';
132
133 ∨ SELECT ENAME, SALARY
134   FROM EMPLOYEE
135   WHERE SALARY = (SELECT MAX(SALARY) FROM EMPLOYEE);
```

ENAME	SALARY
AJIT NAYAK	35000

Download CSV

Major Question 2

A) Display employee name, address, department no and department name.

```
SELECT E.ENAME AS "Employee Name",
       E.ADDRESS AS "Address",
       E.DNO AS "Department Number",
       D.DNAME AS "Department Name"
FROM EMPLOYEE E
JOIN DEPARTMENT D ON E.DNO = D.DNUMBER;
```

Insert Image –

SQL Worksheet

```
137 ∨  SELECT E.ENAME AS "Employee Name",
138         E.ADDRESS AS "Address",
139         E.DNO AS "Department Number",
140         D.DNAME AS "Department Name"
141    FROM EMPLOYEE E
```

Employee Name	Address	Department Number	Department Name
AJIT NAYAK	73 BOSTON	1	ADMIN
SATYA	26 FINE OAK	4	RESEARCH
AJIT BEHERA	10 KALINGA	3	ACADEMIC
UMASHANKAR	26 FINE OAK	2	PROJECT
BHAGWAT	55 FLORIDA	2	PROJECT
MEENAKSHI	73 BRIKLY	3	ACADEMIC
JASWASI	17 BOSTON	4	RESEARCH
NIHAR NAYAK	73 DALLAS	3	ACADEMIC
DEBASMITA	1 QUEENS LAND	2	PROJECT

B) Display all the employees who are *not in* ACADEMIC department

```
SELECT E.ENAME, E.ESRNO
FROM EMPLOYEE E
LEFT JOIN DEPARTMENT D ON E.DNO = D.DNUMBER
WHERE D.DNAME IS NULL OR D.DNAME != 'ACADEMIC';
```

Insert Image –

Live SQL

SQL Worksheet

```
143
144 v  SELECT E.ENAME, E.ESRNO
145     FROM EMPLOYEE E
146     LEFT JOIN DEPARTMENT D ON E.DNO = D.DNUMBER
147     WHERE D.DNAME IS NULL OR D.DNAME != 'ACADEMIC';
```

ENAME	ESRNO
SATYA	495823
JASWASI	215485
AJIT NAYAK	133100
UMASHANKAR	216852
BHAGWAT	215152
DEBASMITA	295485

Download CSV

6 rows selected.

C) Display SATYAS' project location.

```sql
SELECT P.PLOCATION
FROM EMPLOYEE E
JOIN PROJECT P ON E.DNO = P.DNUM
WHERE E.ENAME = 'SATYA';
```

Insert Image -

D) Find the total working hours of *each* female employee.

```sql
SELECT E.ENAME, SUM(W.HOURS) AS TOTAL_HOURS
FROM EMPLOYEE E
JOIN WORKS_ON W ON E.ESRNO = W.ESRNO
WHERE E.SEX = 'F'
GROUP BY E.ENAME
ORDER BY E.ENAME;
```

Insert Image -

SQL Worksheet

```
154
155 v  SELECT E.ENAME, SUM(W.HOURS) AS TOTAL_HOURS
156    FROM EMPLOYEE E
157    JOIN WORKS_ON W ON E.ESRNO = W.ESRNO
158    WHERE E.SEX = 'F'
```

ENAME	TOTAL_HOURS
DEBASMITA	13.91
MEENAKSHI	8.32

Download CSV

2 rows selected.

E) Display the details of the people whose projects are located at SOUTH AFRICA.

```
SELECT E.ENAME, E.ESRNO, P.PNAME, P.PNUMBER, P.PLOCATION
FROM EMPLOYEE E
JOIN PROJECT P ON E.DNO = P.DNUM
WHERE P.PLOCATION = 'SOUTH AFRICA';
```

Insert Image -