

**Data science with python
career program**

HACKATHON

PROJECT PROPOSAL

Here is where your presentation begins

HACKATHON-1.0

This Is Presented

BY Rajesh Kumar

23

Hackathon-1.0

Name :- Rajesh Kumar

Phone No. :- 7248028870

Email :- rajeshkumarsingh411997@gmail.com

Major Question 1:-

A) List the salary of all the employees.

Ans:-

Select Ename, Salary From Employee

SQL Worksheet

```
1 select Ename, Salary From Employee
```

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

Download CSV

9 rows selected.

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

Ans:-

SELECT ENAME, INSTR(ENAME, 'A') FROM EMPLOYEE

SQL Worksheet

1 `SELECT ENAME, INSTR(ENAME, 'A') FROM EMPLOYEE`

ENAME	INSTR(ENAME, 'A')
AJIT NAYAK	1
SATYA	2
AJIT BEHERA	1
UMASHANKAR	3
BHAGWAT	3
MEENAKSHI	5
JASWASI	2
NIHAR NAYAK	4
DEBASMITA	4

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9 rows selected.

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

Ans:-

```
SELECT ENAME, MGRSTARTD FROM EMPLOYEE E
JOIN DEPARTMENT D ON E.MGRSRNO = D.MGRSRNO
WHERE To_Number(To_Char(D.MGRSTARTD,'DD')) <= 15;
```

SQL Worksheet

```
1 v SELECT ENAME,MGRSTARTD FROM EMPLOYEE E
2     JOIN DEPARTMENT D ON E.MGRSRNO = D.MGRSRNO
3 WHERE To_Number(To_Char(D.MGRSTARTD,'DD')) <= 15;
```

ENAME	MGRSTARTD
SATYA	06-JAN-88
AJIT BEHERA	06-JAN-88
UMASHANKAR	06-JAN-88

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3 rows selected.

D) Display the name of all female employees.

Ans:-

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

SQL Worksheet

```

1 v Select Ename, Sex from employee
2 where Sex = 'F';

```

ENAME	SEX
MEENAKSHI	F
DEBASMITA	F

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2 rows selected.

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

Ans:-

```

SELECT ENAME,MAX(SALARY) FROM EMPLOYEE
WHERE SALARY = (SELECT MAX(SALARY) FROM EMPLOYEE)
Group by EName, Salary;

```

SQL Worksheet

```

1 v SELECT ENAME,MAX(SALARY) FROM EMPLOYEE
2 WHERE SALARY = (SELECT MAX(SALARY) FROM EMPLOYEE)
3 Group by EName, Salary;

```

ENAME	MAX(SALARY)
AJIT NAYAK	35000

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Major Question 2:-

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

Ans:-

```
SELECT ENAME, ADDRESS, DNO, DNAME FROM EMPLOYEE E
JOIN DEPARTMENT D ON DNO = DNUMBER;
```

SQL Worksheet

```
1 SELECT ENAME, ADDRESS, DNO, DNAME FROM Employee E
2 Join Department D on DNO = DNUMBER;
```

ENAME	ADDRESS	DNO	DNAME
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

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9 rows selected.

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

Ans:-

```
SELECT ENAME, DNAME FROM EMPLOYEE, DEPARTMENT
WHERE DNAME NOT IN ('ACADEMIC') AND DNO = DNUMBER;
```

SQL Worksheet

1

Select ENAME, DNAME from EMPLOYEE, DEPARTMENT

2

where DNAME NOT IN ('ACADEMIC') AND DNO = DNUMBER;

ENAME	DNAME
AJIT NAYAK	ADMIN
SATYA	RESEARCH
UMASHANKAR	PROJECT
BHAGWAT	PROJECT
JASWASI	RESEARCH
DEBASMITA	PROJECT

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6 rows selected.

C) Display SATYAS' project location

Ans:-

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

SQL Worksheet

```

1 v SELECT ENAME, PLocation FROM Employee E
2   Join Project P on DNO = DNUM
3   where EName = 'SATYA';

```

ENAME	PLOCATION
SATYA	KOREA

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OR

SELECT ENAME, PLOCATION FROM EMPLOYEE, PROJECT
WHERE ENAME = 'SATYA' AND DNO = DNUM;

SQL Worksheet

```

1 v SELECT ENAME, PLocation FROM Employee, Project
2   where EName = 'SATYA' and DNO = DNUM;

```

ENAME	PLOCATION
SATYA	KOREA

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

Ans:-

```
SELECT ENAME, SUM(HOURS) FROM WORKS_ON W, EMPLOYEE E
WHERE SEX = 'F' AND E.ESRNO = W.ESRNO
GROUP BY ENAME, SEX;
```

SQL Worksheet

```

1 v Select EName, Sum(hours) from Works_on W, Employee E
2 Where Sex = 'F' and E.ESRNO = W.ESRNO
3 Group by Ename, Sex;

```

ENAME	SUM(HOURS)
DEBASMITA	13.91
MEENAKSHI	8.32

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2 rows selected.

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

Ans:-

```
SELECT * FROM EMPLOYEE E INNER JOIN PROJECT P ON DNO = DNUM
WHERE PLOCATION = 'SOUTH AFRICA';
```

SQL Worksheet

```
1 Select * from Employee E inner join Project P on DNO = DNUM
2 where Plocation = 'SOUTH AFRICA';
```

ENAME	ESRNO	BDATE	ADDRESS	SEX	SALARY	MGRSRNO	DNO	PNAME	PNUMBER	PLOCATION	DNUM
AJIT BEHERA	315152	09-JUL-71	10 KALINGA	M	32802	133100	3	BIO INFORMATICS	19	SOUTH AFRICA	3
MEENAKSHI	334548	25-APR-79	73 BRIKLY	F	25125	315152	3	BIO INFORMATICS	19	SOUTH AFRICA	3
NIHAR NAYAK	334524	17-DEC-66	73 DALLAS	M	29105	315152	3	BIO INFORMATICS	19	SOUTH AFRICA	3

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3 rows selected.

Thank
you

