Exercise - 3
Restricting and Sorting Data using Where and Orderby
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✓ Use Tables Employees and Departments created in the previous exercise
✓ Maintain one file and write all queries.

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1). Create a query to display the name and salary of employees earning more than 1500.

ENAME	SALARY
KAPIL	1600
DEVEN	2975
TATSAT	2850
HARIOM	2450
TIRTH	3000
RAJA	5000
NAMAN	3000

```
SELECT ENAME, SALARY
FROM EMPLOYEES
WHERE SALARY > 1500
/
```

2). Create a query to display the employee name and department no for employee no 7839.

ENAME	DEPTNO
RAJA	10

```
SELECT ENAME AS "name", DEPTNO AS "department no"
FROM EMPLOYEES
WHERE EMPNO = 7839
/
```

3). Create a query to display the employee name and salary of each employee whose salary is not in the range of 1400 and 3000.

ENAME	SALARY
PARAG	800
ANKIT	1250
DHARMIK	1250
RAJA	5000
ANIL	1100
RAMESH	950
SHREY	1300

```
SELECT ENAME AS "employee name", SALARY
FROM EMPLOYEES
WHERE SALARY NOT BETWEEN 1400 AND 3000
/
```

4). Create a query to display the employee name, birthdate, and salary of all employees whose birth year is 82.

ENAME	BIRTHDATE	SALARY
DHARMIK	20-SEP-82	1250
TATSAT	26-APR-82	2050
NAMAN	19-NOV-82	3000
SHREY	12-FEB-82	1300

```
SELECT ENAME, BIRTHDATE, SALARY
FROM EMPLOYEES
WHERE BIRTHDATE BETWEEN '01-JAN-1982' AND '31-DEC-1982'
/
```

5). Create a query to display the employee name, job, and hire date of employees who are hired between February 20, 2004 and Sept 11, 2009.

ENAME	JOB	HIREDATE
PARAG	CLERK	17-DEC-08
HARIOM	MANAGER	09-JUN-04
TIRTH	ANALYST	19-APR-09
ANIL	CLERK	23-MAY-09

```
SELECT ENAME, JOB, HIREDATE
FROM EMPLOYEES
WHERE HIREDATE BETWEEN '20-FEB-2004' AND '11-SEP-2009'
/
```

6). Create a query to display the employee name and department no of all employees who are working in the department either 10 or 30 and display the alphabetical order of their name.

ENAME	DEPTNO
ANKIT	30
DHARMIK	30
HARIOM	10
KALPESH	30
KAPIL	30
RAJA	10
RAMESH	30
SHREY	10
TATSAT	30

```
SELECT ENAME, DEPTNO
FROM EMPLOYEES
WHERE DEPTNO IN(10, 30)
ORDER BY ENAME ASC
/
```

7). Create a query to list the employee name, salary, and department no of employees who earn in the range of 1000 and 2000 and work in department 20 or 30. Label the columns Employee, Monthly Salary, and Working In respectively. The highest paid employee should be displayed first if more than 1 employee has the same salary then sort the data based on ascending order of name.

EMPLOYEE	MONTHLY SALARY	WORKING IN
KAPIL	1600	30
KALPESH	1500	30
ANKIT	1250	30
DHARMIK	1250	30
ANIL	1100	20

```sql
SELECT ENAME AS "EMPLOYEE", SALARY AS "MONTHLY SALARY", DEPTNO
AS "WORKING IN"
FROM EMPLOYEES
WHERE SALARY BETWEEN 1000 AND 2000 AND DEPTNO IN (20, 30)
ORDER BY SALARY DESC
/
```

8). Display the employee name and hire date of each employee who was hired in 2003 and working as a Manager.

ENAME	HIREDATE	JOB
DEVEN	02-APR-03	MANAGER
TATSAT	01-MAY-03	MANAGER

```sql
SELECT ENAME, HIREDATE
FROM EMPLOYEES
WHERE HIREDATE BETWEEN '01-JAN-2003' AND '31-DEC-2003' AND JOB =
'MANAGER'
/
```

9). Display the employee name, job & salary of each employee who does not have a manager.

ENAME	JOB	SALARY
RAJA	PRESIDENT	5000

```sql
SELECT ENAME, JOB, SALARY
FROM EMPLOYEES
WHERE MGR IS NULL
/
```

10). Display the employee name, salary, and commission for employees who are eligible for commission. Sort data in descending order of salary and commissions.

ENAME	SALARY	COMM
KAPIL	1600	300
KALPESH	1500	0
DHARMIK	1250	1400
ANKIT	1250	500

```sql
SELECT ENAME, SALARY, COMM
FROM EMPLOYEES
WHERE COMM IS NOT NULL
ORDER BY SALARY DESC, COMM DESC
/
```

11). Display the employee name, job, and salary of all employees who's third letter of the name is "R".

ENAME	JOB	SALARY
PARAG	CLERK	800
HARIOM	MANAGER	2450
TIRTH	ANALYST	3000
SHREY	CLERK	1300

```
SELECT ENAME, JOB, SALARY
FROM EMPLOYEES
WHERE ENAME LIKE '__R%'
/
```

12). Display the names of all employees who have "S" and an "E" in their name.

ENAME	JOB	SALARY
KALPESH	SALESMAN	1500
RAMESH	CLERK	950
SHREY	CLERK	1300

```
SELECT ENAME, JOB, SALARY
FROM EMPLOYEES
WHERE ENAME LIKE '%S%' AND ENAME LIKE '%E%'
/
```

13). Display the employee name, job, and Salary for all employees whose job is either SALESMAN or CLERK and whose salary is not equal to 1100,1250 or 1600. The highest paid employee should be displayed first.

ENAME	JOB	SALARY
KALPESH	SALESMAN	1500
SHREY	CLERK	1300
RAMESH	CLERK	950
PARAG	CLERK	800

```
SELECT ENAME, JOB, SALARY
FROM EMPLOYEES
WHERE JOB IN ('SALESMAN','CLERK') AND SALARY NOT IN(1100, 1250, 1600)
ORDER BY SALARY DESC
/
```

14). Display the employee name, Salary, and commission of all employees whose commission amount is <=500.

ENAME	SALARY	COMM
KAPIL	1600	300
ANKIT	1250	500
KALPESH	1500	0

```
SELECT ENAME, SALARY, COMM
FROM EMPLOYEES
WHERE COMM <= 500
/
```

15). Create a query to display employee name, job, salary, and commission for all employees who are doing the job as a SALESMAN or MANAGER and sorting column commission in which null should be displayed at last.

ENAME	JOB	SALARY	COMM
KALPESH	SALESMAN	1500	0
KAPIL	SALESMAN	1600	300
ANKIT	SALESMAN	1250	500
DHARMIK	SALESMAN	1250	1400
TATSAT	MANAGER	2050	
HARIOM	MANAGER	2450	
DEVEN	MANAGER	2975	

```
SELECT ENAME, JOB, SALARY, COMM
FROM EMPLOYEES
WHERE JOB IN ('SALESMAN','MANAGER')
ORDER BY COMM
/
```