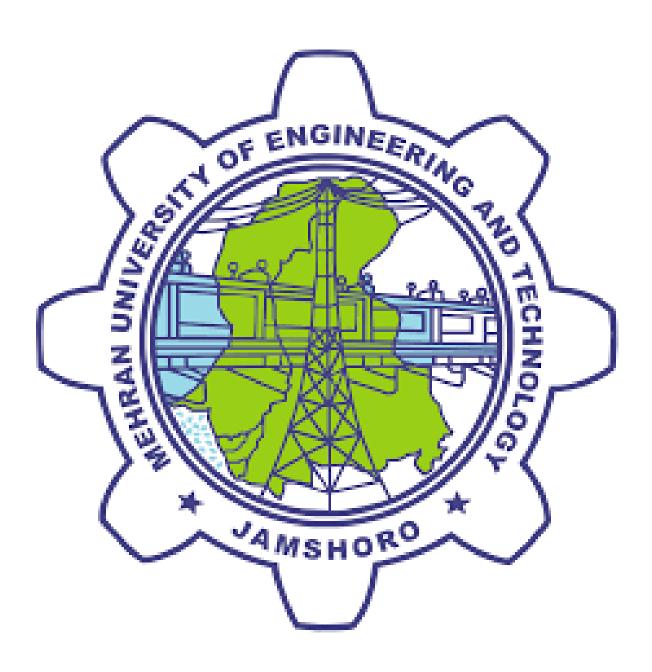
Name: ZOHAIB HASSAN SOOMRO

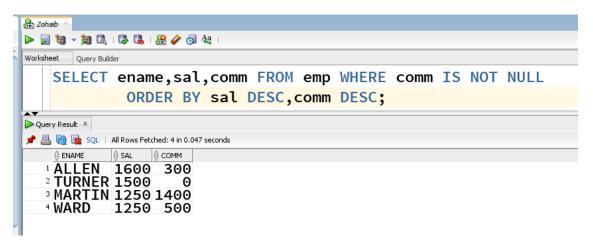
RollNo#: 19SW42

Subject: DBS



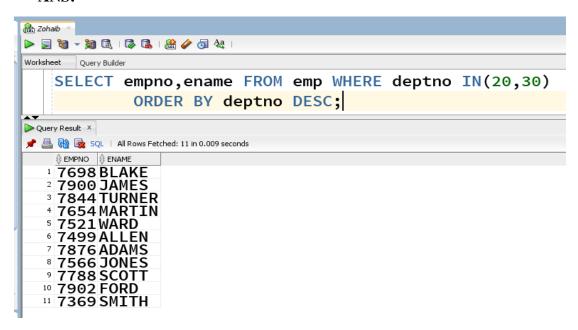
- Q1. Execute the following queries and display their outputs:
- i. Display the emp name, salary, and commission for all employees who earn commissions. Sort data in descending order of salary and commissions.

ANS:

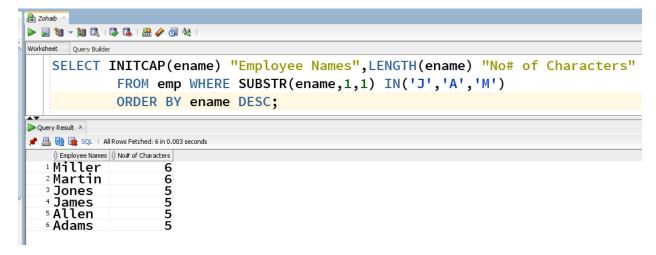


• ii) Show empno and ename having deptno 20 or 30 in descending order

ANS:

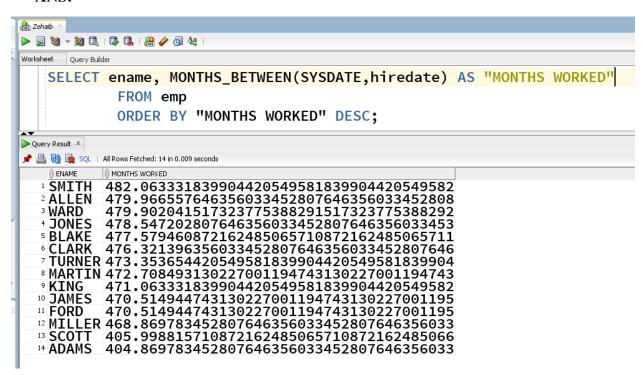


• iii. Write a query that displays the employee name (with the first letter uppercase and all other letters lowercase) and the length of the name for all employees whose name starts with the letters J, A, or M. Give each column an appropriate label. Sort the results descending order of the employee name.

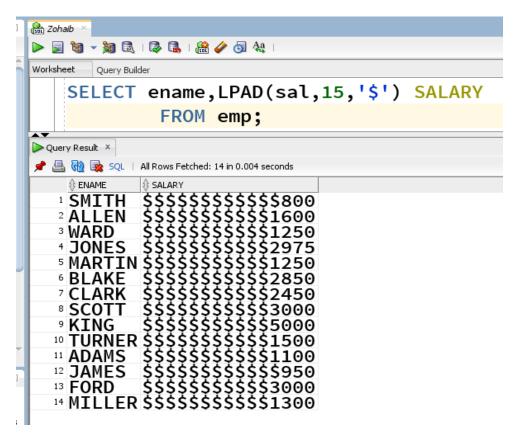


• iv.Display the emp name and calculate the number of months between today and the date on which the employee was hired. Label the column MONTHS_WORKED. Order your results in descending order by the number of months employed.

ANS:

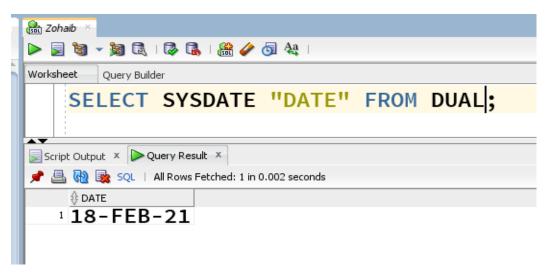


• iii. Display the emp name and salary for all employees. Format the salary to be 15 characters long, left-padded with the "\$" symbol. Label the column SALARY.

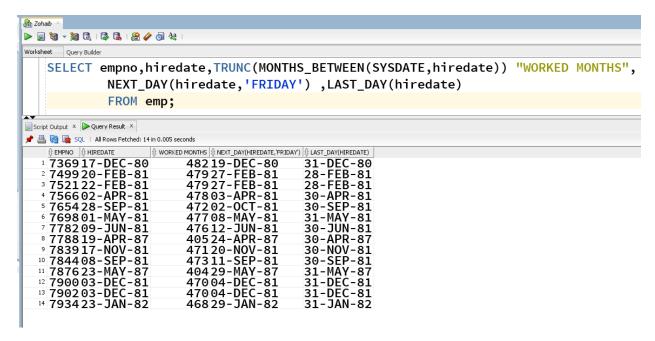


• iv. Write a query to display the current date. Label the column Date.

ANS:

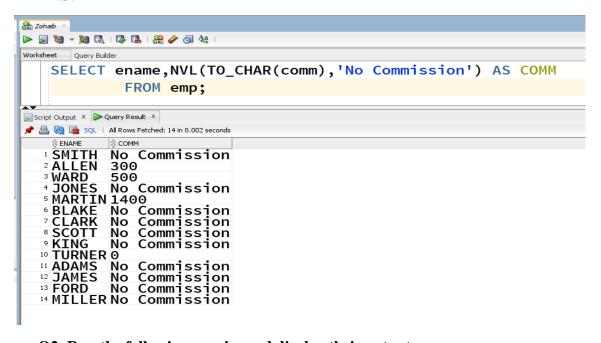


• v. Display the employee number, hire date, number of months employed, first Friday after hire date, and last day of the month.



• vi. Create a query that displays the employees names and commission amounts. If an employee does not earn commission, show "No Commission." Label the column COMM. (Hint: Use NVL Function)

ANS:



- Q2. Run the following queries and display their outputs:
- i. Display ename, hiredate and print the date in DD Month YYYY Format. Label the coulmn as "DATE FORMAT". (Hint: Use To CHAR Function)

```
Zohaib ×
Worksheet Query Builder
    SELECT ename, hiredate, TO_CHAR(hiredate, 'DD Month YYYY') AS "DATE FORMAT"
                 FROM emp;
Script Output × Duery Result ×
📌 📇 🙌 🗽 SQL | All Rows Fetched: 14 in 0.005 seconds
     ENAME
              ♦ HIREDATE
   SMITH 17-DEC-8017 December
ALLEN 20-FEB-8120 February
WARD 22-FEB-8122 February
                                                1980
                                                1981
                                                1981
   JONES 02-APR-8102 April
MARTIN 28-SEP-8128 September
   6 BLAKE 01-MAY-81 01
7 CLARK 09-JUN-81 09
                                 May
                                 June
              19-APR-87 19
17-NOV-81 17
                                 April
                                 November
   10 TURNER 08-SEP-81 08
                                 September
                                                1981
              23-MAY-87
                                 Mav
                                                1987
             03-DEC-8103 December
03-DEC-8103 December
   12 JAMES
                                                1981
                                                1981
   14 MILLER 23-JAN-82 23 January
                                                1982
```

- ii. Write a query that generates the following output:
- (OPTIONAL QUERY)
- 1. Display the emp name, and email address. The email address will be composed from the four first letters of emp name concatenated with the string "@gmail.com"
- (For example : LEVI MARIO <u>levi@gmail.com</u>)

```
Zohaib >
SELECT ename, CONCAT (SUBSTR (ename, 1, 4), '@gmail.com') AS "Email Address"
               FROM emp;
Script Output × Query Result ×
📌 볼 🙀 📚 SQL | All Rows Fetched: 14 in 0.004 seconds
    ⊕ ENAME
             SMIT@gmail.com
ALLE@gmail.com
    SMITH
    ALLEN
   3 WARD
             WARD@gmail.com
   <sup>4</sup> JONES JONE@gmail.com

<sup>5</sup> MARTIN MART@gmail.com
    BLAKE BLAK@gmail.com
    CLARK
             CLAR@gmail.com
             SCOT@gmail.com
KING@gmail.com
   8 SCOTT
    KING
  TURNER TURN@gmail.com
           ADAM@gmail.com
JAME@gmail.com
  11 ADAMS
  12 JAMES
  13 FORD
             FORD@gmail.com
  14 MILLER MILL@gmail.com
```