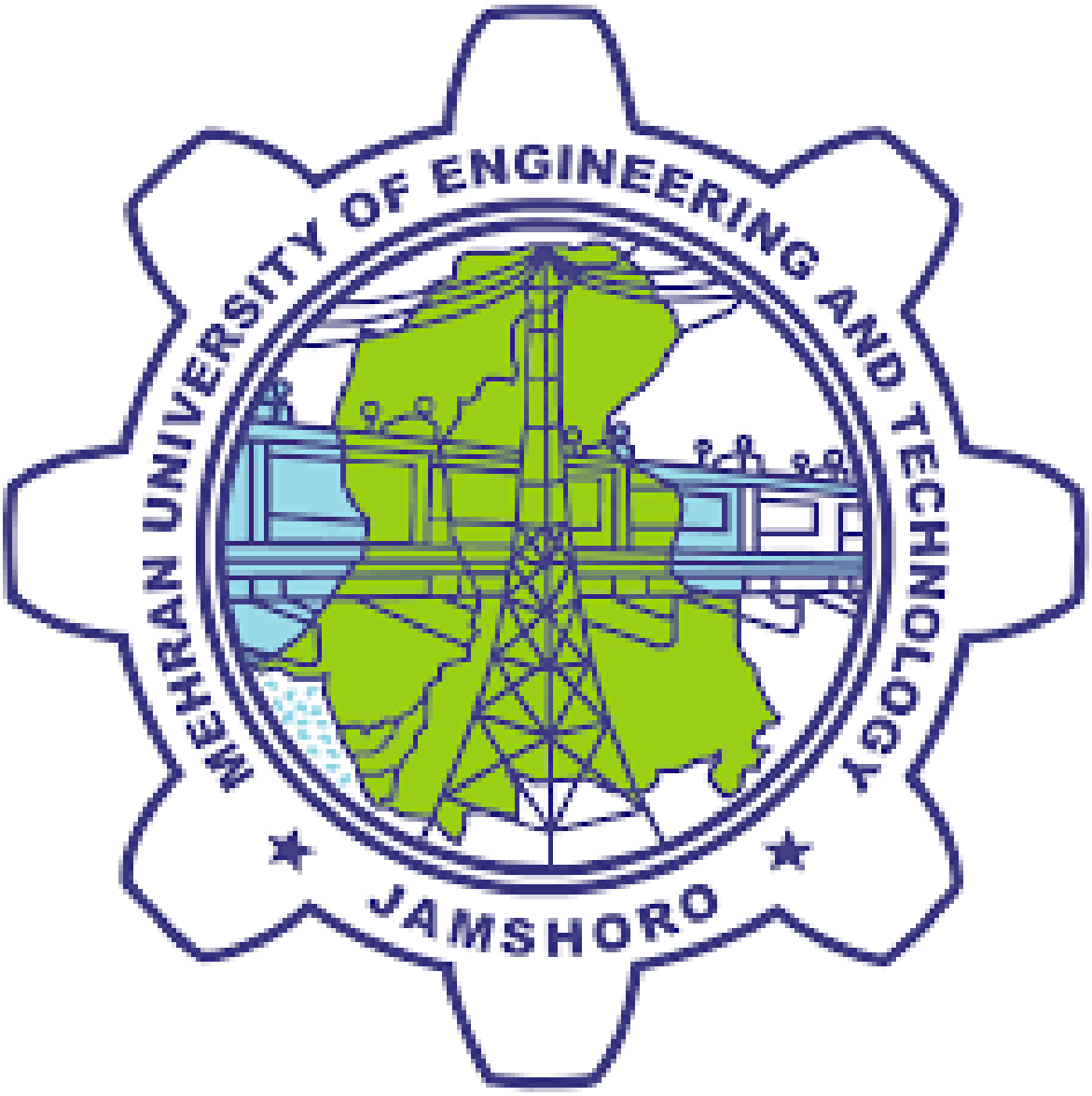
Name: ZOHAIB HASSAN SOOMRO

RollNo#: 19SW42

Subject: DBS



TASK C

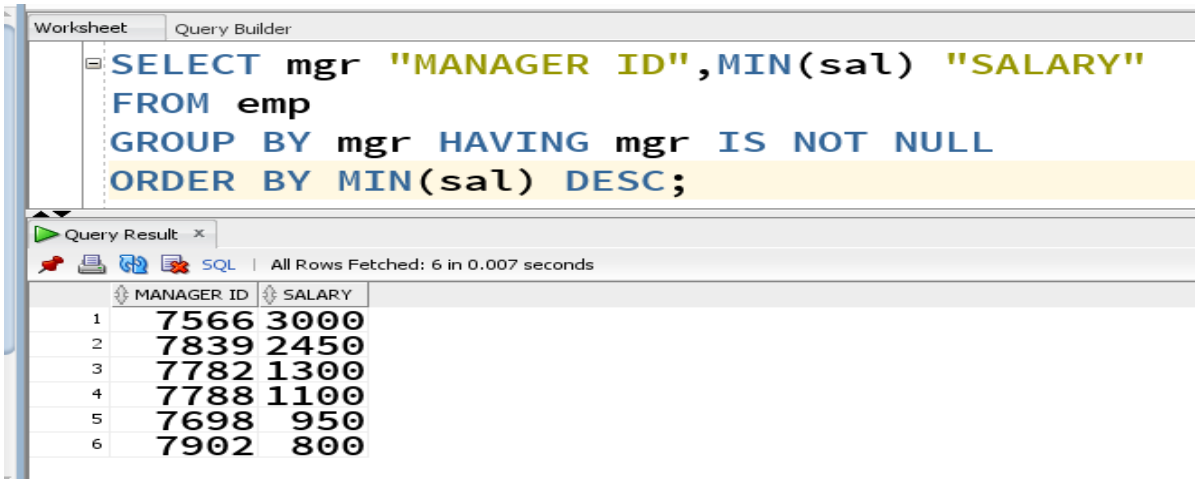
1. Display manger id and the salary of the lowest paid employee for that manger, exclude any those whose manger is unknown and sort the result in descending order of the lowest salary.
2. Display the total salary being paid to each job title within each department.
3. Find the total annual salary distributed job wise in the year 81.
4. List the Manager ids & number of employees working for those managers in the ascending order.
5. Find the number of employees who are serving as CLERK?
6. Find the total salary given to the MANAGERS?

1. Display manager id and salary of the lowest paid employee for that manager, exclude any those whose manager is unknown and sort the result in descending order of the lowest salary.

   QUERY:

```
SELECT mgr "MANAGER ID",MIN(sal) "SALARY"
FROM emp
GROUP BY mgr HAVING mgr IS NOT NULL
ORDER BY MIN(sal) DESC;
```

   OUTPUT:

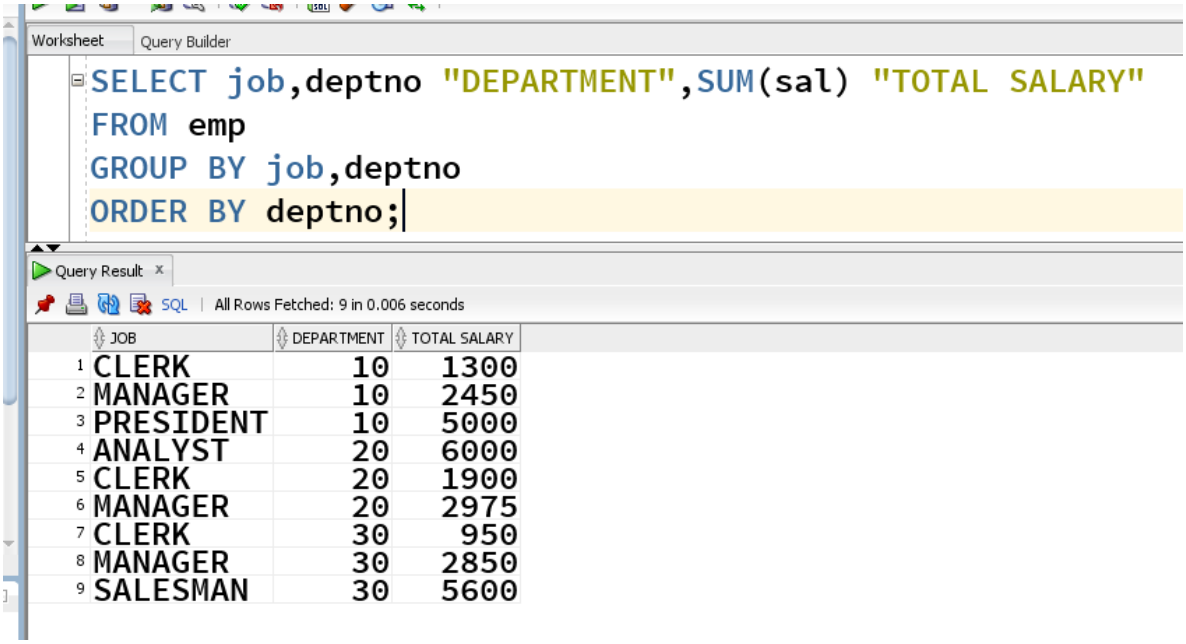


2. Display total salary being paid to each job title within each department.

QUERY:

```
SELECT job,deptno "DEPARTMENT",SUM(sal) "TOTAL SALARY"
FROM emp
GROUP BY job,deptno
ORDER BY deptno;
```

OUTPUT:



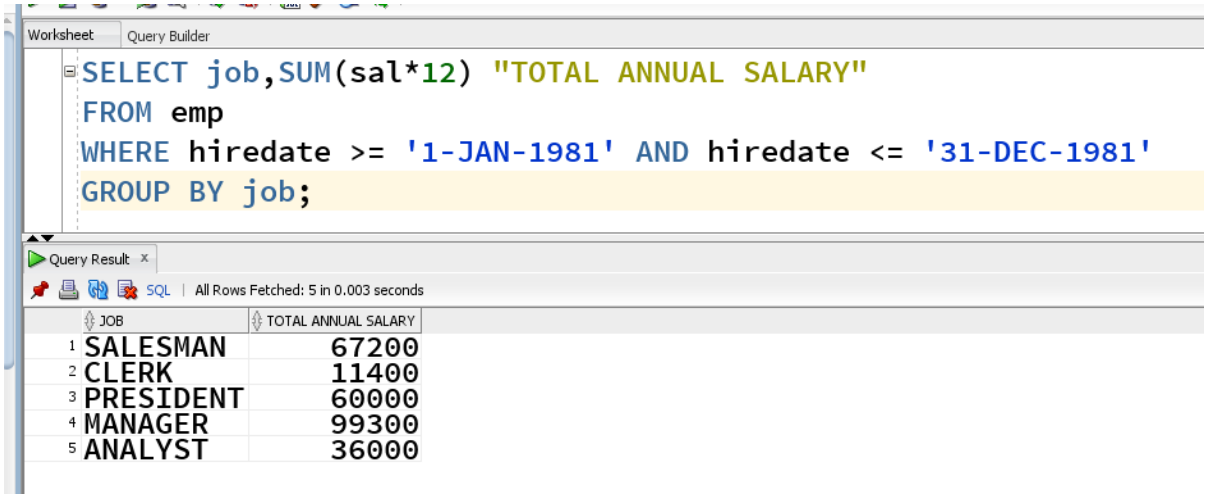
	JOB	DEPARTMENT	TOTAL SALARY
1	CLERK	10	1300
2	MANAGER	10	2450
3	PRESIDENT	10	5000
4	ANALYST	20	6000
5	CLERK	20	1900
6	MANAGER	20	2975
7	CLERK	30	950
8	MANAGER	30	2850
9	SALESMAN	30	5600

3. Find total annual salary distributed job wise in year 81.

QUERY:

```
SELECT job,SUM(sal*12) "TOTAL ANNUAL SALARY"
FROM emp
WHERE hiredate >= '1-JAN-1981' AND hiredate <= '31-DEC-1981'
GROUP BY job;
```

OUTPUT:

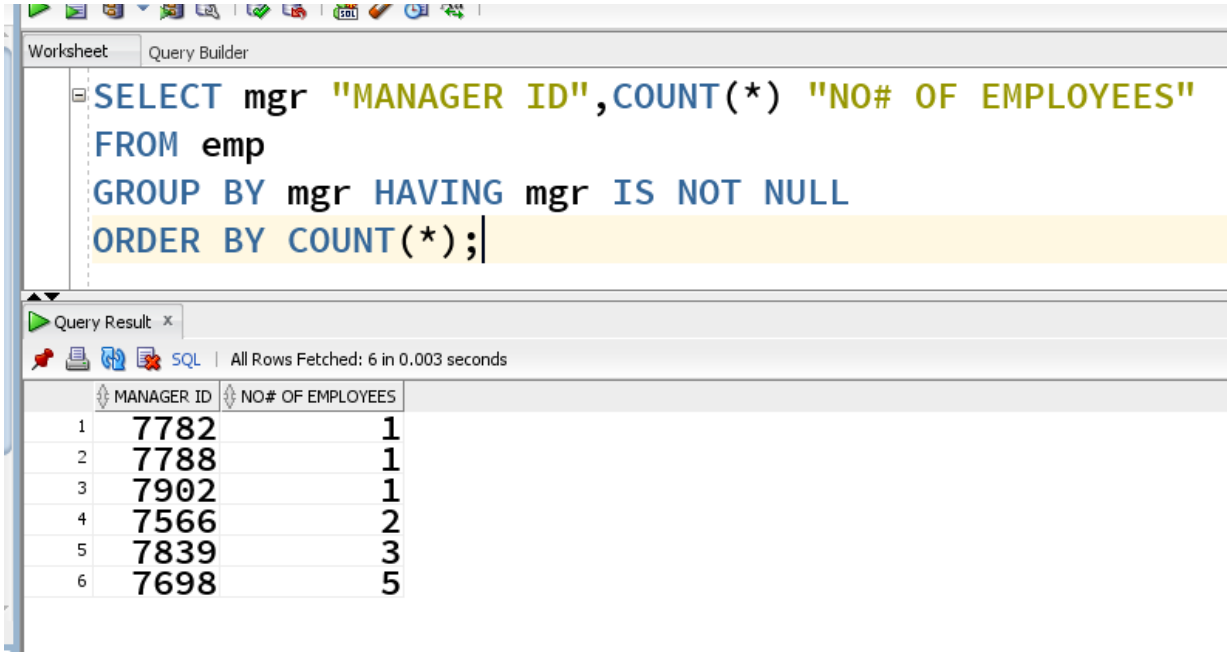


4. List Manager ids & number of employees working for those managers in the ascending order.

   QUERY:

```
SELECT mgr "MANAGER ID",COUNT(*) "NO# OF EMPLOYEES"
FROM emp
GROUP BY mgr HAVING mgr IS NOT NULL
ORDER BY COUNT(*) ASC;
```

   OUTPUT:

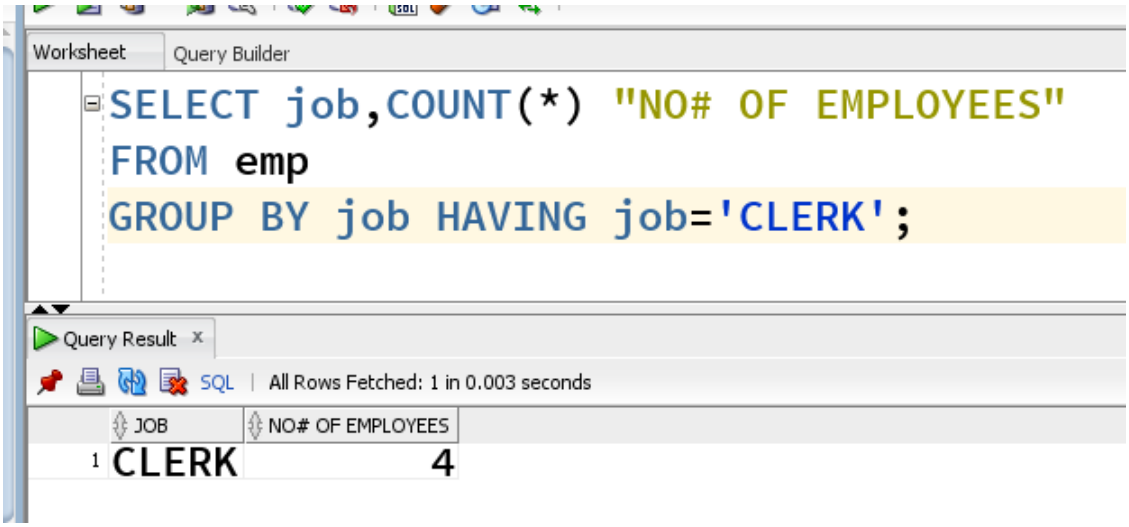


5. Find number of employees who are serving as CLERK.

   QUERY:

```
SELECT job,COUNT(*) "NO# OF EMPLOYEES"
FROM emp
GROUP BY job HAVING job='CLERK';
```

   OUTPUT:



6. Find total salary given to MANAGERS.

   QUERY:

```
SELECT job,SUM(sal) "TOTAL SALARY"
FROM emp
GROUP BY job HAVING job='MANAGER';
```

   OUTPUT: