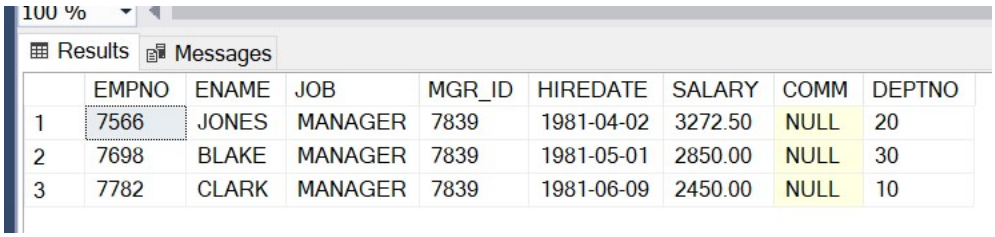
ASSIGNMENT 3 SQL

```
use Assignment2


--1. Retrieve a list of MANAGERS.


select * from EMP

where job = 'manager';
```

OUTPUT



	EMPNO	ENAME	JOB	MGR_ID	HIREDATE	SALARY	COMM	DEPTNO
1	7566	JONES	MANAGER	7839	1981-04-02	3272.50	NULL	20
2	7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
3	7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10

```
 --2. Find out the names and salaries of all employees earning more than 1000 per
month.


select ename , salary from Emp

where salary > 1000;
```

OUTPUT

	ename	salary
1	ALLEN	1600.00
2	WARD	1250.00
3	JONES	3272.50
4	MARTIN	1250.00
5	BLAKE	2850.00
6	CLARK	2450.00
7	SCOTT	3300.00
8	KING	5000.00
9	TURNER	1500.00
10	ADAMS	1210.00
11	FORD	3300.00
12	MILLER	1300.00

```
--3. Display the names and salaries of all employees except JAMES.


select ename, salary from Emp

where ename ! = 'james';
```

OUTPUT

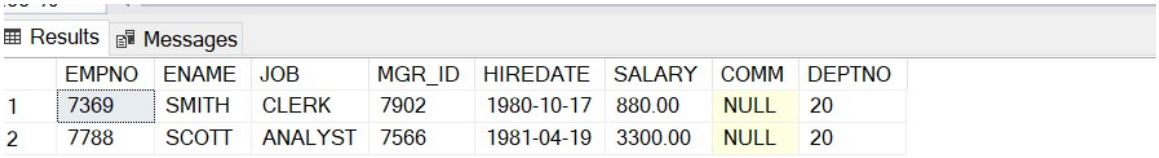
Results Messages

	ename	salary
1	SMITH	880.00
2	ALLEN	1600.00
3	WARD	1250.00
4	JONES	3272.50
5	MARTIN	1250.00
6	BLAKE	2850.00
7	CLARK	2450.00
8	SCOTT	3300.00
9	KING	5000.00
10	TURNER	1500.00
11	ADAMS	1210.00
12	FORD	3300.00
13	MILLER	1300.00

--4. Find out the details of employees whose names begin with ‘S’.

```
select * from Emp

where ename like 'S%';
```

OUTPUT



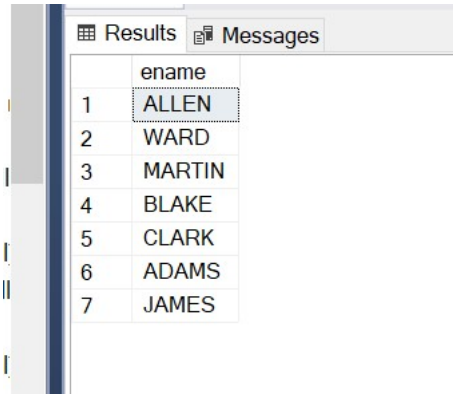
Results | Messages

	EMPNO	ENAME	JOB	MGR_ID	HIREDATE	SALARY	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	1980-10-17	880.00	NULL	20
2	7788	SCOTT	ANALYST	7566	1981-04-19	3300.00	NULL	20

--5. Find out the names of all employees that have ‘A’ anywhere in their name.

```
select ename  from Emp

where ename like '%A%';
```

OUTPUT



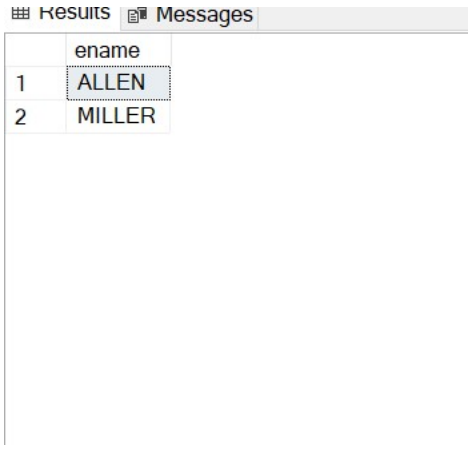
Results | Messages

	ename
1	ALLEN
2	WARD
3	MARTIN
4	BLAKE
5	CLARK
6	ADAMS
7	JAMES

--6. Find out the names of all employees that have ‘L’ as their third character in their name.

```
select ename  from Emp

where ename like '__L%';
```

OUTPUT



	ename
1	ALLEN
2	MILLER

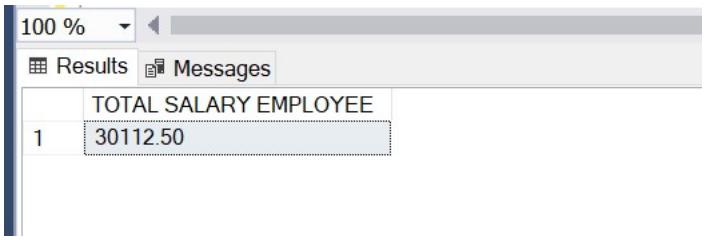
```
--7. Compute daily salary of JONES.


select ename , (salary/30)  from Emp

where ename ='JONES';
```

OUTPUT

ename	(No column name)
JONES	109.0833

```
--8. Calculate the total monthly salary of all employees.

select sum(salary) as 'TOTAL SALARY EMPLOYEE'
from Emp;
```

OUTPUT




```
--9. Print the average annual salary .

select avg(salary*12) as AVG_SALARY
from Emp;
```

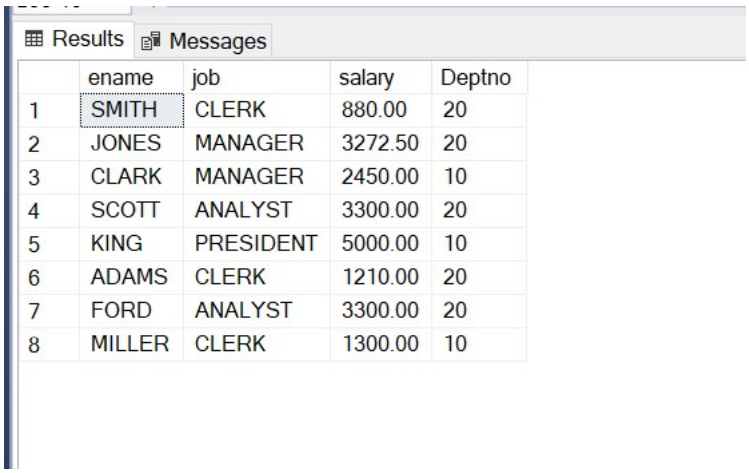
OUTPUT


```
--10. Select the name, job, salary, department number of all employees except
```

SALESMAN from department number 30.

```
select ename, job, salary, Deptno from Emp

where job ! = 'salesman' and Deptno != 30;
```

OUTPUT

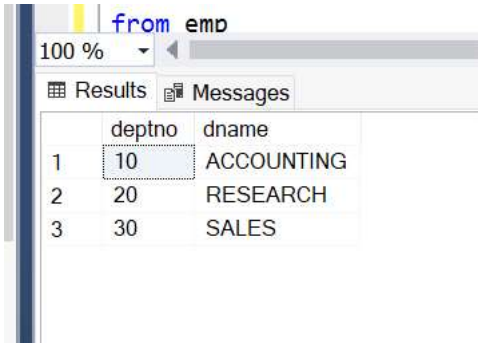


Results | Messages

	ename	job	salary	Deptno
1	SMITH	CLERK	880.00	20
2	JONES	MANAGER	3272.50	20
3	CLARK	MANAGER	2450.00	10
4	SCOTT	ANALYST	3300.00	20
5	KING	PRESIDENT	5000.00	10
6	ADAMS	CLERK	1210.00	20
7	FORD	ANALYST	3300.00	20
8	MILLER	CLERK	1300.00	10

```
--11. List unique departments of the EMP table.

select distinct(e.deptno), d.dname

from Emp as e, Dept as d

where e.Deptno = d.Deptno;
```

OUTPUT

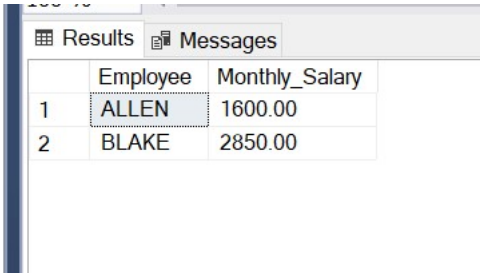


	deptno	dname
1	10	ACCOUNTING
2	20	RESEARCH
3	30	SALES

```
--12. List the name and salary of employees who earn more than 1500 and

--are in department 10 or 30. Label the columns Employee and Monthly Salary
respectively.
```

```
select ename as Employee, salary as Monthly_Salary

from emp

where salary > 1500 and Deptno = 10 | 30;
```

OUTPUT



Results | Messages

	Employee	Monthly_Salary
1	ALLEN	1600.00
2	BLAKE	2850.00

```
--13. Display the name, job, and salary of all the employees whose job

--is MANAGER or ANALYST and their salary is not equal to 1000, 3000, or 5000.
```

```
select ename, job, salary

from Emp

where job = 'manager' or job = 'analyst'  and salary not in (1000,3000,5000);
```

OUTPUT

Results Messages

	ename	job	salary
1	JONES	MANAGER	3272.50
2	BLAKE	MANAGER	2850.00
3	CLARK	MANAGER	2450.00
4	SCOTT	ANALYST	3300.00
5	FORD	ANALYST	3300.00

```
--14. Display the name, salary and commission for all employees whose commission
--amount is greater than their salary increased by 10%.

   Select ename,(salary*1.1) 'updated salary',comm
   from emp e
   where comm>salary;
```

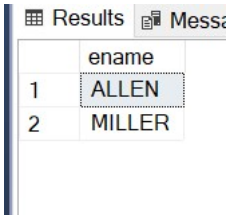
OUTPUT

Results Messages

	ename	updated salary	comm
1	MARTIN	1375.00000	1400

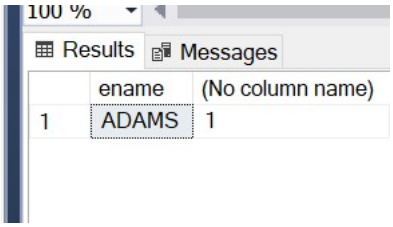
```
--15. Display the name of all employees who have two Ls in their name and are in
--department 30 or their manager is 7782.

 select ename
 from emp
 where  ( deptno =30 or mgr_id=7782) and ename like '%ll%' ;
```

OUTPUT




```
--16. Display the names of employees with experience of over 30 years and under 40
yrs.

 --Count the total number of employees.


  select  ename ,count(*) as 'no of empyoyees'

  from EMP

  where DATEDIFF (year,hiredate,getdate())>30 and DATEDIFF(year,hiredate,getdate())
<40

  group by ENAME;
```

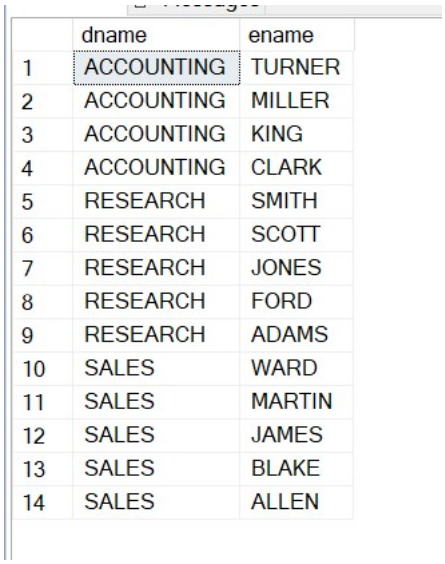
OUPUT




```
--17. Retrieve the names of departments in ascending order and their employees in

--descending order.
```

```sql
select d.dname ,e.ename

from dept d ,EMP e

where d.DEPTNO=e.DEPTNO

order by d.DNAME ,e.ENAME desc;
```

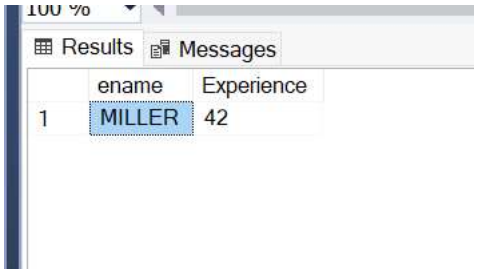
OUTPUT



	dname	ename
1	ACCOUNTING	TURNER
2	ACCOUNTING	MILLER
3	ACCOUNTING	KING
4	ACCOUNTING	CLARK
5	RESEARCH	SMITH
6	RESEARCH	SCOTT
7	RESEARCH	JONES
8	RESEARCH	FORD
9	RESEARCH	ADAMS
10	SALES	WARD
11	SALES	MARTIN
12	SALES	JAMES
13	SALES	BLAKE
14	SALES	ALLEN

```sql
--18. Find out experience of MILLER.


select ename,DATEDIFF(year,hiredate,getdate()) as Experience

from emp

where ename = 'miller';
```

OUTPUT


100 %
Results
Messages
ename
Experience
1
MILLER
42