III	Results [Messages	1					
	empno	ename	job	mgr	hiredate	sal	comm	deptno
1	7369	smith	clerk	7902	17-dec-80	800	NULL	20
2	7499	allen	salesman	7698	20-feb-81	1600	300	30
3	7521	ward	salesman	7698	22-feb-81	1250	500	30
4	7566	jones	manager	7839	02-apr-81	2975	NULL	20
5	7654	martin	salesman	7698	28-sep-81	1250	1400	30
6	7698	BLAKE	MANAGER	7839	01-MAY-81	2850	NULL	30
7	7782	CLARK	MANAGER	7839	09-JUN-81	2450	NULL	10
8	7788	SCOTT	ANALYST	7566	19-APR-87	3000	NULL	20
9	7839	KING	PRESIDENT	NULL	17-NOV-81	5000	NULL	10
10	7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
11	7876	ADAMS	CLERK	7788	23-MAY-87	1100	NULL	20
12	7900	JAMES	CLERK	7698	03-DEC-81	950	NULL	30
13	7902	FORD	ANALYST	7566	03-DEC-81	3000	NULL	20
14	7934	MILLER	CLERK	7782	23-JAN-82	1300	NULL	10

Fig A1-EMP Table

III	Results E	Messages	
	deptno	dname	loc
1	10	ACCOUNTING	NEW YORK
2	20	RESEARCH	DALLAS
3	30	SALES	CHICAGO
4	40	OPERATIONS	BOSTON

Fig A1-DEPT Table

```
-- 1. List all employess whose name begins with 'A'
    36
         select ename from EMP where ename like 'A%'
    37
    38
    39
         -- 2. select all those employees who don't have a manager
    40
         select ename from EMP where mgr is null
    41
         --3. list employee name, number and salary for those employees who earn in the range 1200 to 1400
    42
    43
         select ename, empno, sal from EMP where sal between 1200 and 1400
100 %
         Messages
     ename
     allen
     ADAMS
```

Fig A1-1: Showing employees whose names begin with A

```
select ename from EMP where ename like A3

-- 2. select all those employees who don't have a manager
select ename from EMP where mgr is null

--3. list employee name, number and salary for those employees who earn in the range 1200 to 1400

select ename, empno, sal from EMP where sal between 1200 and 1400

Results Messages

ename

KING
```

Fig A1-2: Showing employees who don't have manager

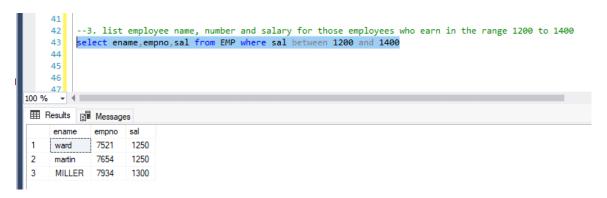


Fig A1-3: Showing employee details who earn in the range 1200 to 1400

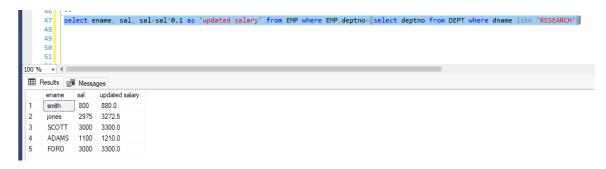


Fig A1-4.1: Selecting the salary of research group and updating the salary by 10%

	30 -	- showing	values					
		elect * f						
	_	elect * f						
.00 %	77 4 1							
⊞ F	Results [Messages						
	empno	ename	job	mgr	hiredate	sal	comm	deptno
1	7369	smith	clerk	7902	17-dec-80	880	NULL	20
2	7499	allen	salesman	7698	20-feb-81	1600	300	30
3	7521	ward	salesman	7698	22-feb-81	1250	500	30
4	7566	jones	manager	7839	02-apr-81	3272	NULL	20
5	7654	martin	salesman	7698	28-sep-81	1250	1400	30
6	7698	BLAKE	MANAGER	7839	01-MAY-81	2850	NULL	30
7	7782	CLARK	MANAGER	7839	09-JUN-81	2450	NULL	10
8	7788	SCOTT	ANALYST	7566	19-APR-87	3300	NULL	20
9	7839	KING	PRESIDENT	NULL	17-NOV-81	5000	NULL	10
10	7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
11	7876	ADAMS	CLERK	7788	23-MAY-87	1210	NULL	20
12	7900	JAMES	CLERK	7698	03-DEC-81	950	NULL	30
13	7902	FORD	ANALYST	7566	03-DEC-81	3300	NULL	20
14	7934	MILLER	CLERK	7782	23-JAN-82	1300	NULL	10

Fig A1-4: after updating salary of Research group..i.e., deptno 20(refer EMP table img for salary before updating)

```
-- 5. Find the number of CLERKS employed. Give it a descriptive heading.

select count(job) as 'no of clerks employed' from EMP where job like 'clerk'

Results Messages

no of clerks employed

1 4
```

Fig A1-5: No of clerks employeed

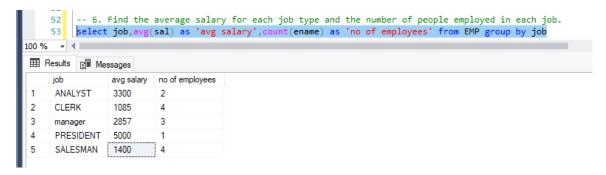
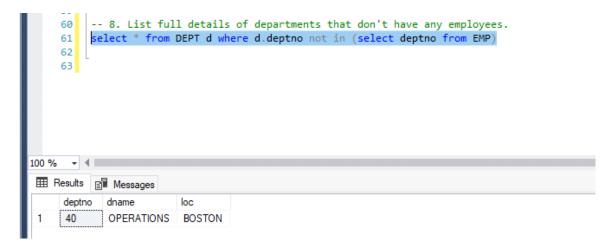


Fig A1-6: Finding the avg salary for each job type and the no of people employed in each job

```
55
         -- 7. List the employees with the lowest and highest salary.
       select e.ename, e.sal
    56
    57
          from emp e
         where e.sal = (SELECT MAX(e2.sal) from emp e2) OR e.sal = (select MIN(e2.sal) from emp e2);
    58
    59
    60
    61
100 %
Results Messages
     smith
            880
2
            5000
     KING
```

Fig A1-7: Listing the employees with lowest and highest salary



A1-8: Listing details of departments that don't have any employees

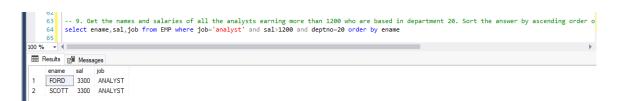


Fig A1-9: Showing names and salaries of all analyst earning more than 1200 of department 20 and sort the result

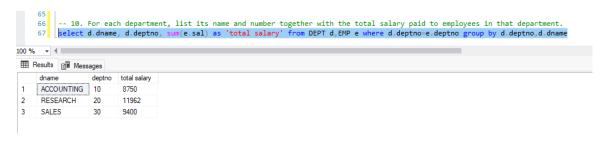


Fig A1-10: department wise salary given to employees

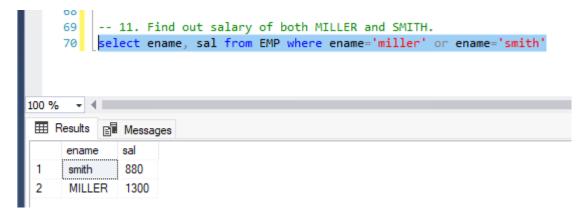


Fig A1-11: Showing the salary of miller and smith

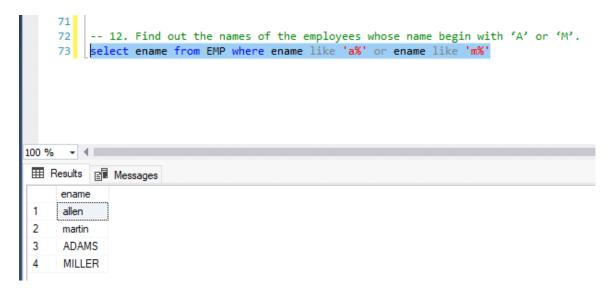


Fig A1-12: Finding employees whose name begin with A or M

```
75
76
77
78

-- 13. Compute yearly salary of SMITH.
-- question not clear ,if sal given is monthly it can be computed as salary*12
select ename, sal*12 as 'salary' from emp where ename='smith'

100 %

Results

Results

Messages

ename salary
1 smith 10560
```

A1-13: Computing yearly salary of smith

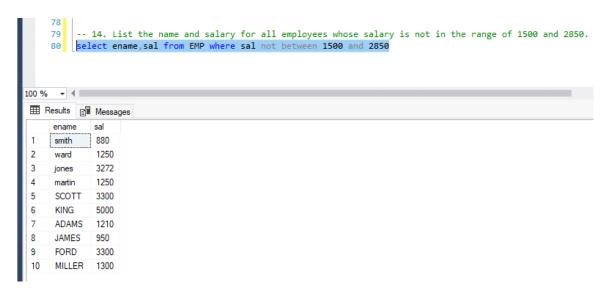


Fig A1-14: Listing the name and salary of all employees whose salary is not in range of 1500 and 2850

 Thank You	