1) **Created table EMP table and insert values**

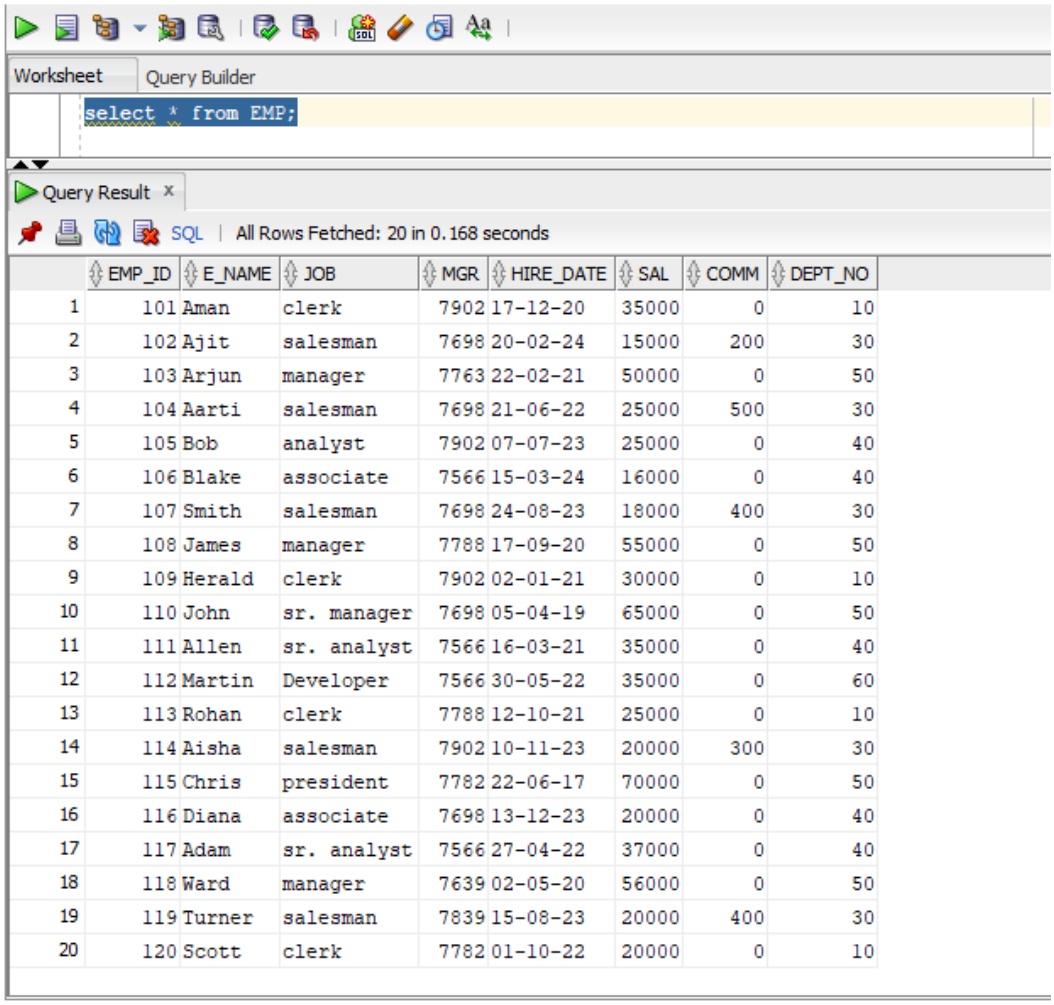
```
SQL> create table EMP
  2  (EMP_ID number(10),
  3  E_NAME varchar2(15),
  4  Job varchar2(15),
  5  MGR number(10),
  6  HIRE_DATE Date,
  7  SAL number(10),
  8  COMM number(5),
  9  DEPT_No number(10));

Table created.
```

```
SQL> insert all
  2  into EMP values(102, 'Ajit', 'salesman', 7698, '20 feb 2024', 15000, 200, 30)
  3  into EMP values(103, 'Arjun', 'manager', 7763, '22 feb 2021', 50000, 0, 50)
  4  into EMP values(104, 'Aarti', 'salesman', 7698, '21 june 2022', 25000, 500, 30)
  5  into EMP values(105, 'Bob', 'analyst', 7902, '7 july 2023', 25000, 0, 40)
  6  into EMP values(106, 'Blake', 'associate', 7566, '15 mar 2024', 16000, 0, 40)
  7  into EMP values(107, 'Smith', 'salesman', 7698, '24 aug 2023', 18000, 400, 30)
  8  into EMP values(108, 'James', 'manager', 7788, '17 sep 2020', 55000, 0, 50)
  9  into EMP values(109, 'Herald', 'clerk', 7902, '2 jan 2021', 30000, 0, 10)
 10  into EMP values(110, 'John', 'sr. manager', 7698, '5 april 2019', 65000, 0, 50)
 11  into EMP values(111, 'Allen', 'sr. analyst', 7566, '16 march 2021', 35000, 0, 40)
 12  into EMP values(112, 'Martin', 'Developer', 7566, '30 may 2022', 35000, 0, 60)
 13  into EMP values(113, 'Rohan', 'clerk', 7788, '12 oct 2021', 25000, 0, 10)
 14  into EMP values(114, 'Aisha', 'salesman', 7902, '10 nov 2023', 20000, 300, 30)
 15  into EMP values(115, 'Chris', 'president', 7782, '22 june 2017', 70000, 0, 50)
 16  into EMP values(116, 'Diana', 'associate', 7698, '13 dec 2023', 20000, 0, 40)
 17  into EMP values(117, 'Adam', 'sr. analyst', 7566, '27 april 2022', 37000, 0, 40)
 18  into EMP values(118, 'Ward', 'manager', 7639, '2 may 2020', 56000, 0, 50)
 19  into EMP values(119, 'Turner', 'salesman', 7839, '15 aug 2023', 20000, 400, 30)
 20  into EMP values(120, 'Scott', 'clerk', 7782, '1 oct 2022', 20000, 0, 10)
 21  select * FROM dual;

19 rows created.
```

2) **Create dept table and insert values**

```
SQL> create table dept
  2  (DEPT_ID number(10),
  3  D_NAME varchar2(15),
  4  LOC varchar2(15));

Table created.

SQL> insert all
  2  into dept values(10, 'Accounting','Newyork')
  3  into dept values(20, 'Research','Dallas')
  4  into dept values(30, 'Sales','Chicago')
  5  into dept values(40, 'Support','India')
  6  into dept values(50, 'Operation','Boston')
  7  into dept values(60, 'Development','LA')
  8  select * FROM dual;

6 rows created.
```

3) View table



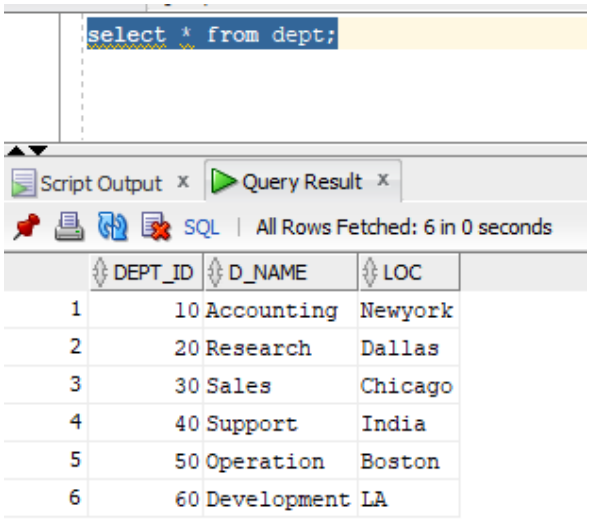
Worksheet | Query Builder

```
select * from EMP;
```

Query Result

SQL | All Rows Fetched: 20 in 0.168 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	101	Aman	clerk	7902	17-12-20	35000	0	10
2	102	Ajit	salesman	7698	20-02-24	15000	200	30
3	103	Arjun	manager	7763	22-02-21	50000	0	50
4	104	Aarti	salesman	7698	21-06-22	25000	500	30
5	105	Bob	analyst	7902	07-07-23	25000	0	40
6	106	Blake	associate	7566	15-03-24	16000	0	40
7	107	Smith	salesman	7698	24-08-23	18000	400	30
8	108	James	manager	7788	17-09-20	55000	0	50
9	109	Herald	clerk	7902	02-01-21	30000	0	10
10	110	John	sr. manager	7698	05-04-19	65000	0	50
11	111	Allen	sr. analyst	7566	16-03-21	35000	0	40
12	112	Martin	Developer	7566	30-05-22	35000	0	60
13	113	Rohan	clerk	7788	12-10-21	25000	0	10
14	114	Aisha	salesman	7902	10-11-23	20000	300	30
15	115	Chris	president	7782	22-06-17	70000	0	50
16	116	Diana	associate	7698	13-12-23	20000	0	40
17	117	Adam	sr. analyst	7566	27-04-22	37000	0	40
18	118	Ward	manager	7639	02-05-20	56000	0	50
19	119	Turner	salesman	7839	15-08-23	20000	400	30
20	120	Scott	clerk	7782	01-10-22	20000	0	10



```
select * from dept;
```

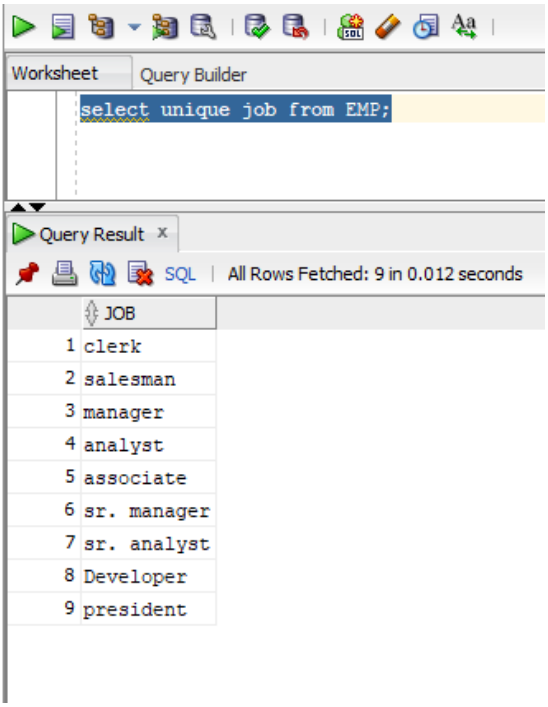
Script Output | Query Result

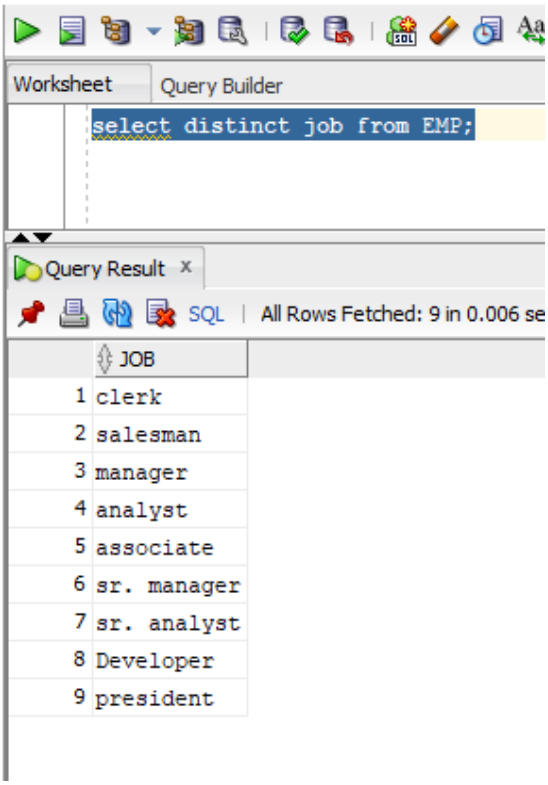
SQL | All Rows Fetched: 6 in 0 seconds

	DEPT_ID	D_NAME	LOC
1	10	Accounting	Newyork
2	20	Research	Dallas
3	30	Sales	Chicago
4	40	Support	India
5	50	Operation	Boston
6	60	Development	LA

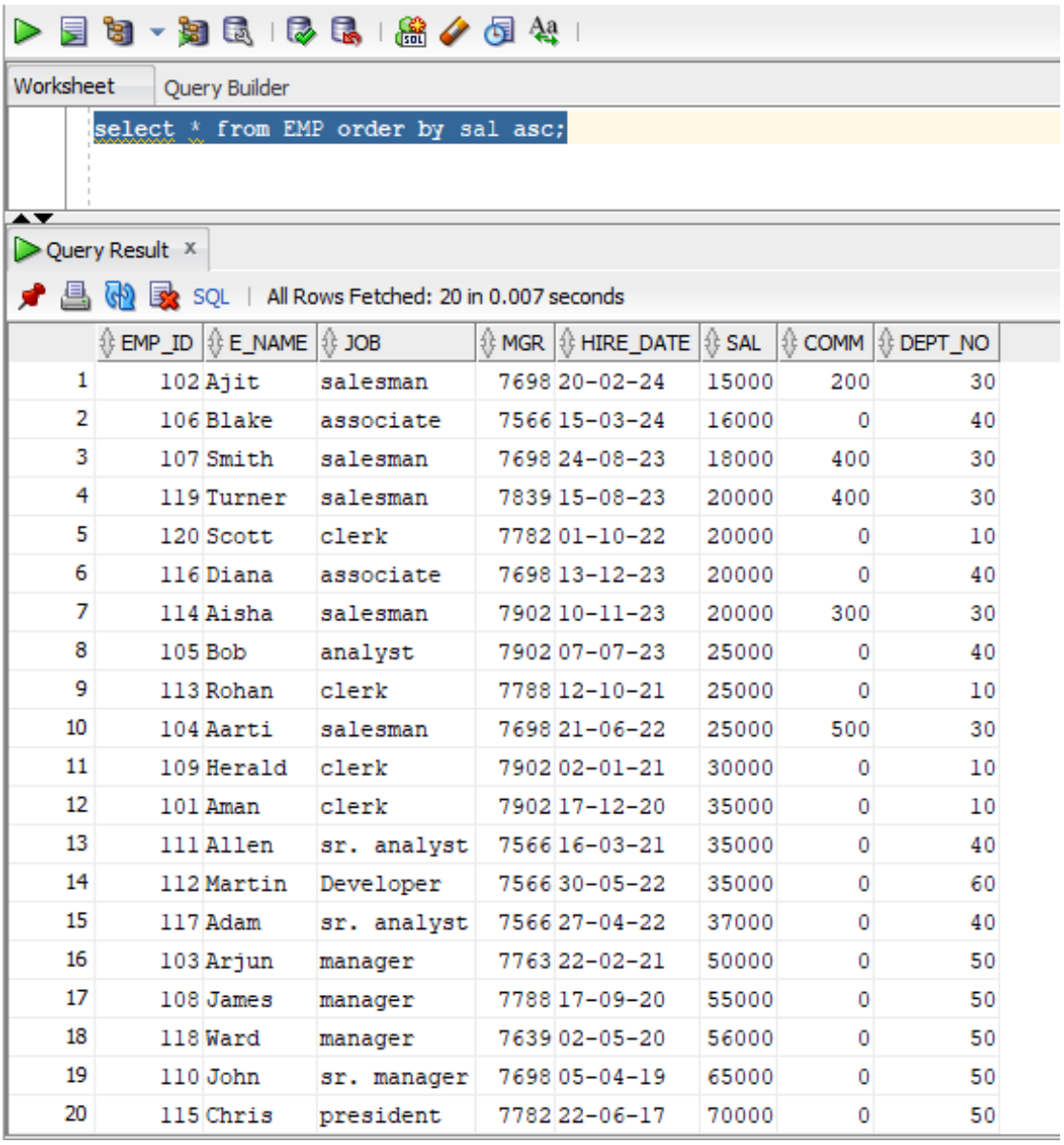
Question answers

1) Display unique jobs from table





2) List the employees in the ascending order of their Salaries



Worksheet | Query Builder

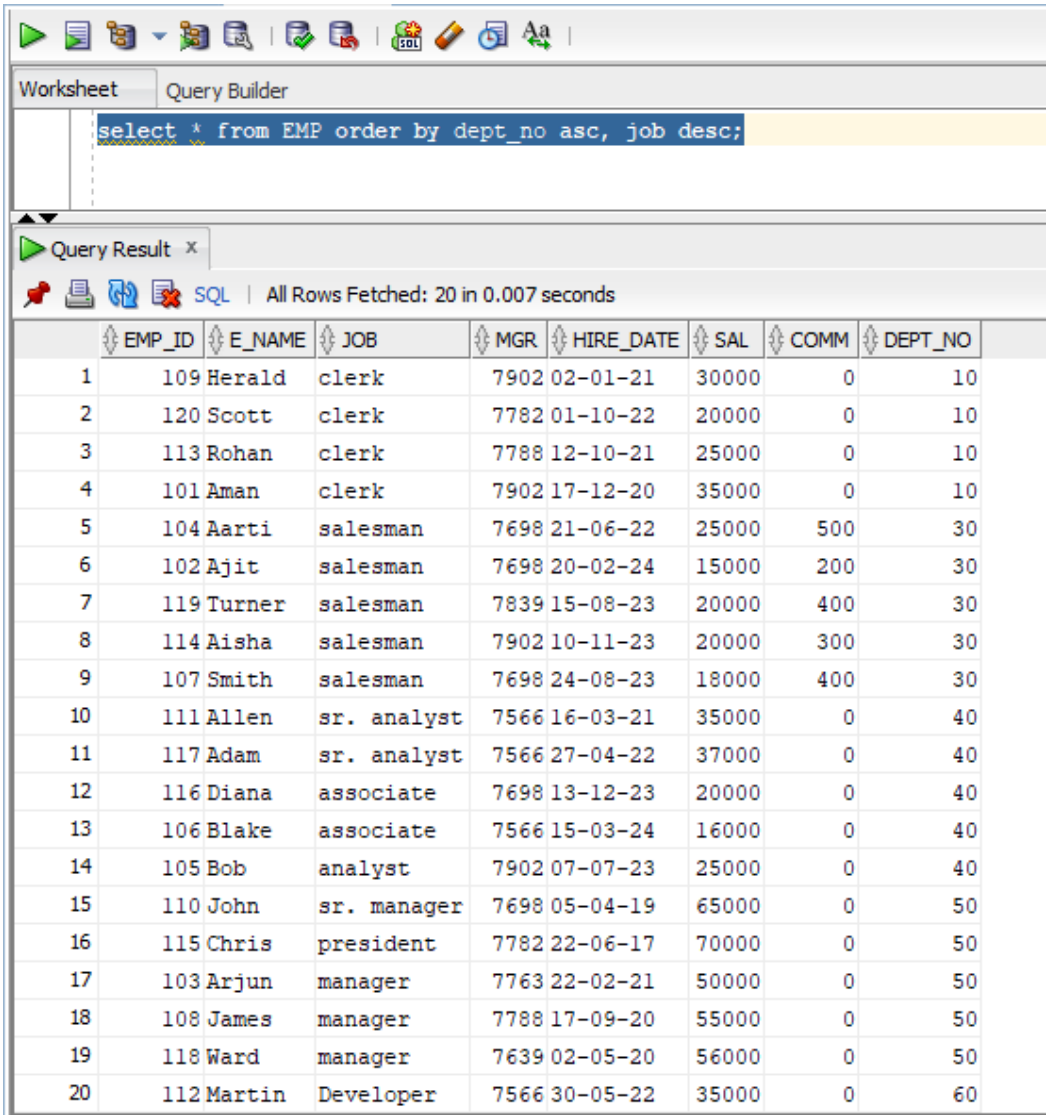
```
select * from EMP order by sal asc;
```

Query Result

SQL | All Rows Fetched: 20 in 0.007 seconds

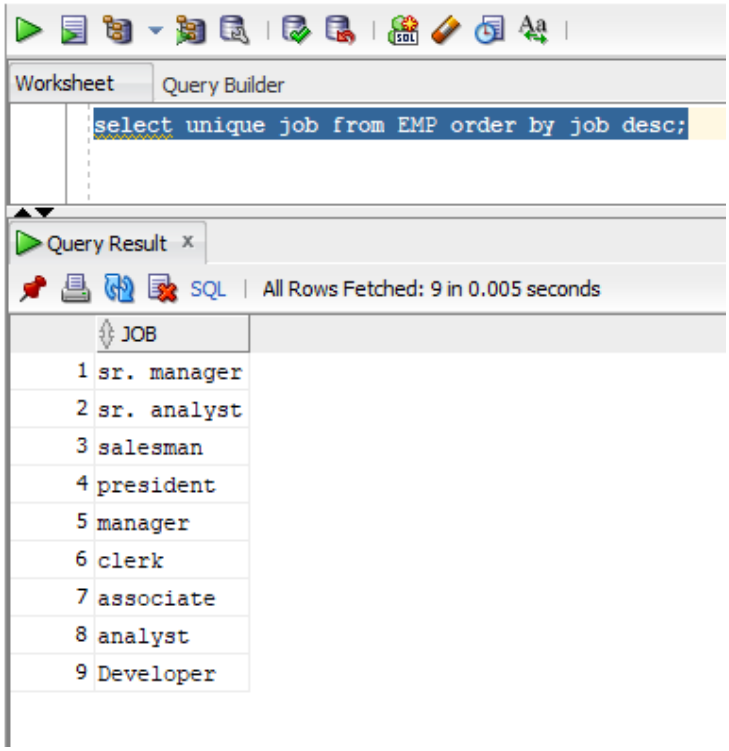
	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	102	Ajit	salesman	7698	20-02-24	15000	200	30
2	106	Blake	associate	7566	15-03-24	16000	0	40
3	107	Smith	salesman	7698	24-08-23	18000	400	30
4	119	Turner	salesman	7839	15-08-23	20000	400	30
5	120	Scott	clerk	7782	01-10-22	20000	0	10
6	116	Diana	associate	7698	13-12-23	20000	0	40
7	114	Aisha	salesman	7902	10-11-23	20000	300	30
8	105	Bob	analyst	7902	07-07-23	25000	0	40
9	113	Rohan	clerk	7788	12-10-21	25000	0	10
10	104	Aarti	salesman	7698	21-06-22	25000	500	30
11	109	Herald	clerk	7902	02-01-21	30000	0	10
12	101	Aman	clerk	7902	17-12-20	35000	0	10
13	111	Allen	sr. analyst	7566	16-03-21	35000	0	40
14	112	Martin	Developer	7566	30-05-22	35000	0	60
15	117	Adam	sr. analyst	7566	27-04-22	37000	0	40
16	103	Arjun	manager	7763	22-02-21	50000	0	50
17	108	James	manager	7788	17-09-20	55000	0	50
18	118	Ward	manager	7639	02-05-20	56000	0	50
19	110	John	sr. manager	7698	05-04-19	65000	0	50
20	115	Chris	president	7782	22-06-17	70000	0	50

3) **List the details of the employees in ascending order of the Department number and descending order of Jobs**



	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	109	Herald	clerk	7902	02-01-21	30000	0	10
2	120	Scott	clerk	7782	01-10-22	20000	0	10
3	113	Rohan	clerk	7788	12-10-21	25000	0	10
4	101	Aman	clerk	7902	17-12-20	35000	0	10
5	104	Aarti	salesman	7698	21-06-22	25000	500	30
6	102	Ajit	salesman	7698	20-02-24	15000	200	30
7	119	Turner	salesman	7839	15-08-23	20000	400	30
8	114	Aisha	salesman	7902	10-11-23	20000	300	30
9	107	Smith	salesman	7698	24-08-23	18000	400	30
10	111	Allen	sr. analyst	7566	16-03-21	35000	0	40
11	117	Adam	sr. analyst	7566	27-04-22	37000	0	40
12	116	Diana	associate	7698	13-12-23	20000	0	40
13	106	Blake	associate	7566	15-03-24	16000	0	40
14	105	Bob	analyst	7902	07-07-23	25000	0	40
15	110	John	sr. manager	7698	05-04-19	65000	0	50
16	115	Chris	president	7782	22-06-17	70000	0	50
17	103	Arjun	manager	7763	22-02-21	50000	0	50
18	108	James	manager	7788	17-09-20	55000	0	50
19	118	Ward	manager	7639	02-05-20	56000	0	50
20	112	Martin	Developer	7566	30-05-22	35000	0	60

4) Display all the unique job groups in the descending order



Worksheet | Query Builder

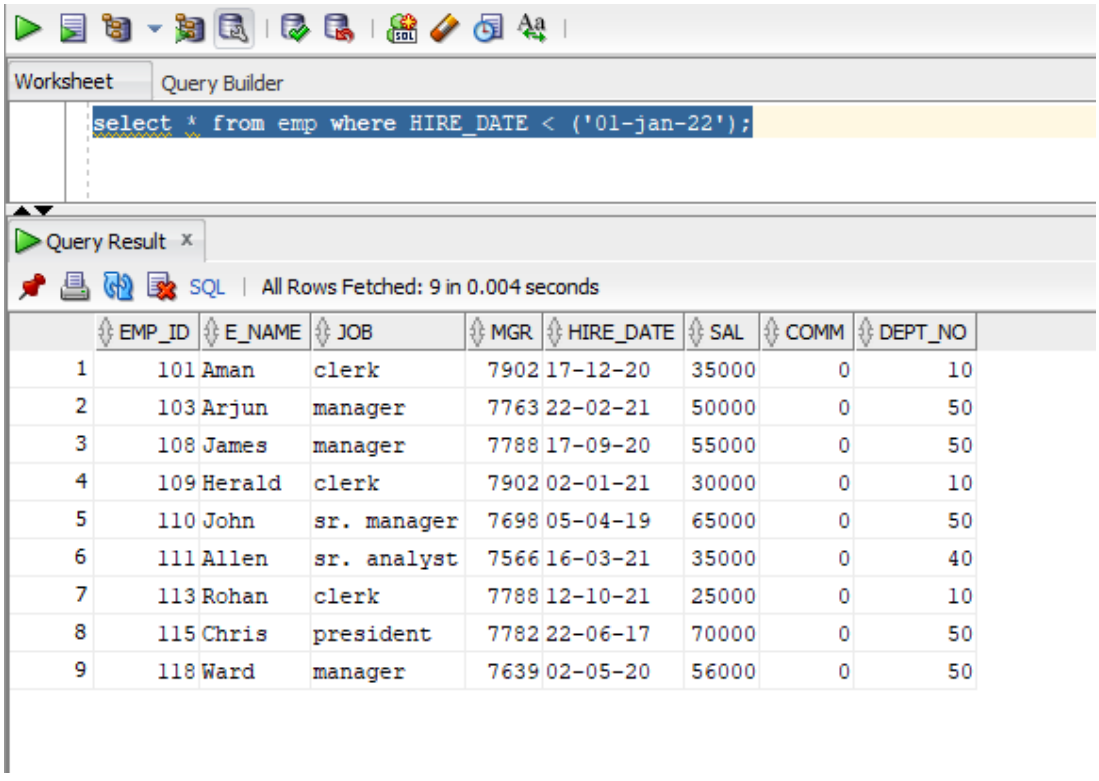
```
select unique job from EMP order by job desc;
```

Query Result

SQL | All Rows Fetched: 9 in 0.005 seconds

	JOB
1	sr. manager
2	sr. analyst
3	salesman
4	president
5	manager
6	clerk
7	associate
8	analyst
9	Developer

5) List the emps who joined before 2021



Worksheet | Query Builder

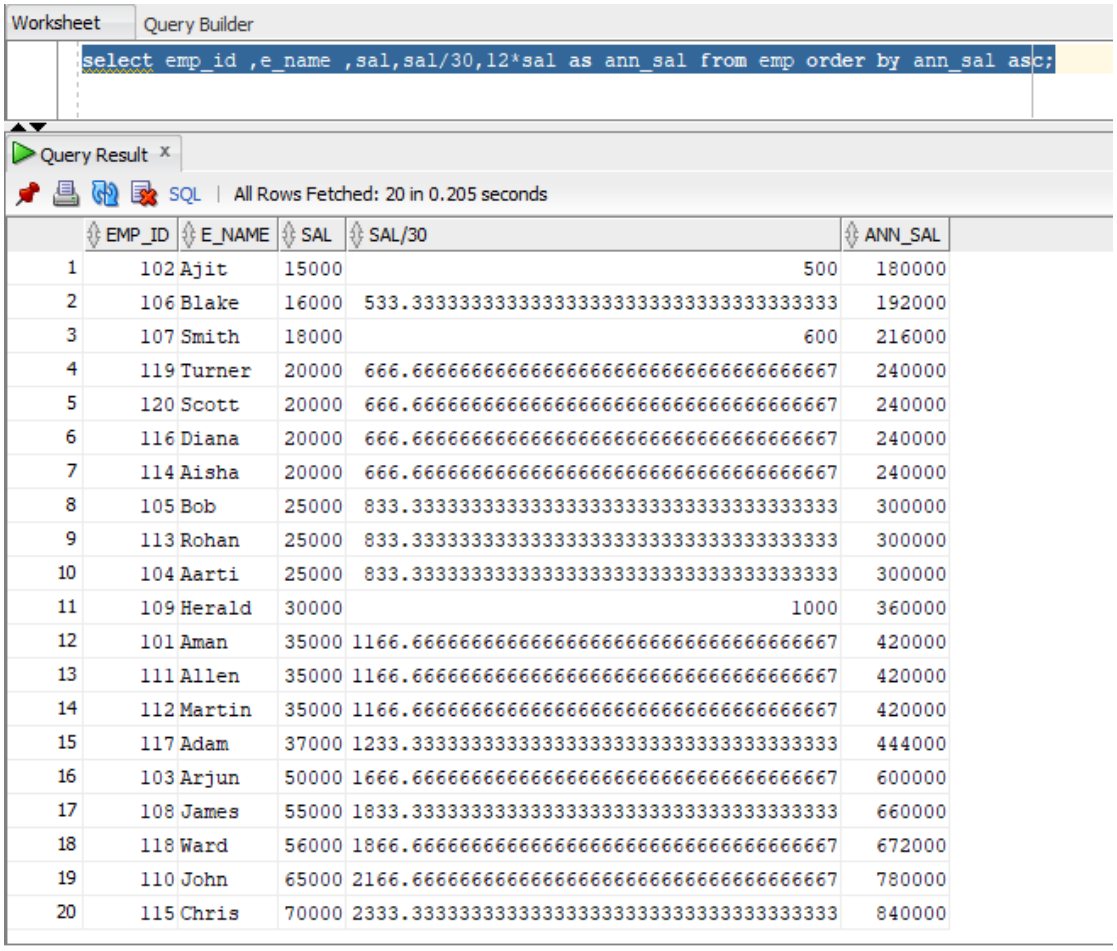
```
select * from emp where HIRE_DATE < ('01-jan-22');
```

Query Result

SQL | All Rows Fetched: 9 in 0.004 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	101	Aman	clerk	7902	17-12-20	35000	0	10
2	103	Arjun	manager	7763	22-02-21	50000	0	50
3	108	James	manager	7788	17-09-20	55000	0	50
4	109	Herald	clerk	7902	02-01-21	30000	0	10
5	110	John	sr. manager	7698	05-04-19	65000	0	50
6	111	Allen	sr. analyst	7566	16-03-21	35000	0	40
7	113	Rohan	clerk	7788	12-10-21	25000	0	10
8	115	Chris	president	7782	22-06-17	70000	0	50
9	118	Ward	manager	7639	02-05-20	56000	0	50

6) **List the emp_Id, ename, salary, daily salary of all employees in the ascending order of Annual salary**



Worksheet | Query Builder

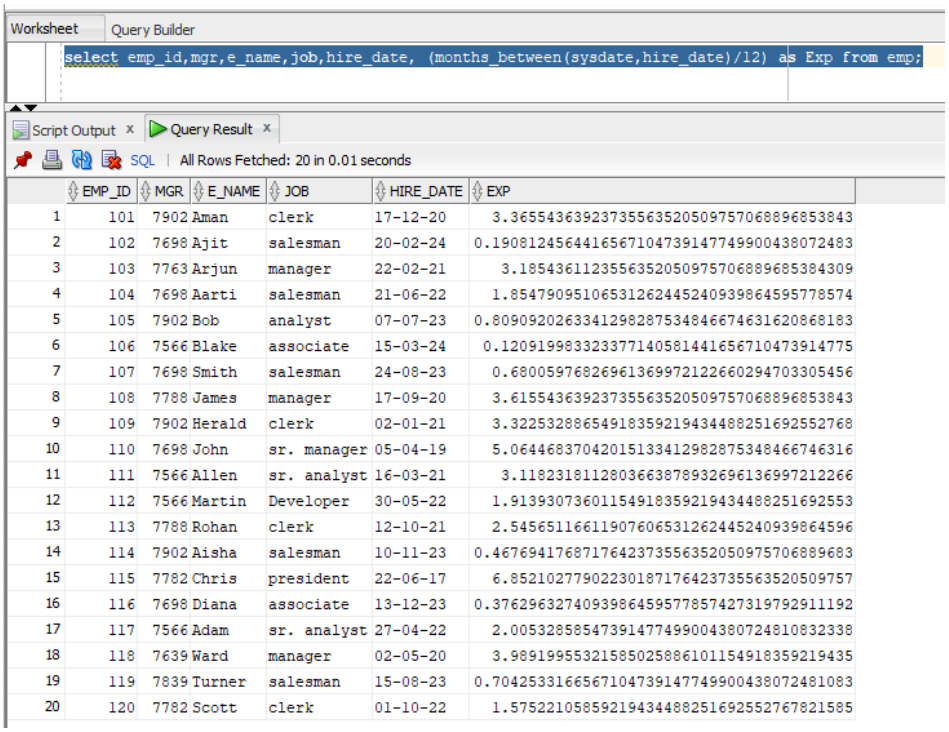
```
select emp_id ,e_name ,sal,sal/30,12*sal as ann_sal from emp order by ann_sal asc;
```

Query Result

SQL | All Rows Fetched: 20 in 0.205 seconds

	EMP_ID	E_NAME	SAL	SAL/30	ANN_SAL
1	102	Ajit	15000	500	180000
2	106	Blake	16000	533.3333333333333333333333333333333333	192000
3	107	Smith	18000	600	216000
4	119	Turner	20000	666.6666666666666666666666666666666667	240000
5	120	Scott	20000	666.6666666666666666666666666666666667	240000
6	116	Diana	20000	666.6666666666666666666666666666666667	240000
7	114	Aisha	20000	666.6666666666666666666666666666666667	240000
8	105	Bob	25000	833.3333333333333333333333333333333333	300000
9	113	Rohan	25000	833.3333333333333333333333333333333333	300000
10	104	Aarti	25000	833.3333333333333333333333333333333333	300000
11	109	Herald	30000	1000	360000
12	101	Aman	35000	1166.6666666666666666666666666666666667	420000
13	111	Allen	35000	1166.6666666666666666666666666666666667	420000
14	112	Martin	35000	1166.6666666666666666666666666666666667	420000
15	117	Adam	37000	1233.3333333333333333333333333333333333	444000
16	103	Arjun	50000	1666.6666666666666666666666666666666667	600000
17	108	James	55000	1833.3333333333333333333333333333333333	660000
18	118	Ward	56000	1866.6666666666666666666666666666666667	672000
19	110	John	65000	2166.6666666666666666666666666666666667	780000
20	115	Chris	70000	2333.3333333333333333333333333333333333	840000

7) **Display the Employee ID, employee name, job, Hire date, Experience of all m grs**



Worksheet | Query Builder

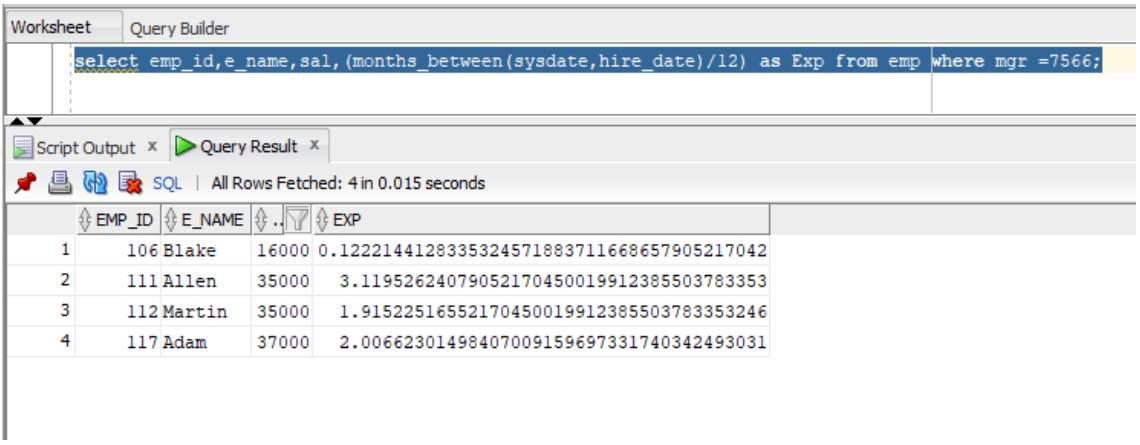
```
select emp_id,mgr,e_name,job,hire_date, (months_between(sysdate,hire_date)/12) as Exp from emp;
```

Script Output | Query Result

SQL | All Rows Fetched: 20 in 0.01 seconds

	EMP_ID	MGR	E_NAME	JOB	HIRE_DATE	EXP
1	101	7902	Aman	clerk	17-12-20	3.365543639237355635205097570688968538 43
2	102	7698	Ajit	salesman	20-02-24	0.190812456441656710473914774990043807 2483
3	103	7763	Arjun	manager	22-02-21	3.185436112355635205097570688968538 4309
4	104	7698	Aarti	salesman	21-06-22	1.854790951065312624452409398645957785 74
5	105	7902	Bob	analyst	07-07-23	0.809092026334129828753484667463162086 8183
6	106	7566	Blake	associate	15-03-24	0.120919983323377140581441656710473914 775
7	107	7698	Smith	salesman	24-08-23	0.680059768269613699721226602947033054 56
8	108	7788	James	manager	17-09-20	3.615543639237355635205097570688968538 43
9	109	7902	Herald	clerk	02-01-21	3.322532886549183592194344882516925527 68
10	110	7698	John	sr. manager	05-04-19	5.064468370420151334129828753484667463 16
11	111	7566	Allen	sr. analyst	16-03-21	3.118231811280366387893269613699721226 6
12	112	7566	Martin	Developer	30-05-22	1.913930736011549183592194344882516925 53
13	113	7788	Rohan	clerk	12-10-21	2.545651166119076065312624452409398645 96
14	114	7902	Aisha	salesman	10-11-23	0.467694176871764237355635205097570688 9683
15	115	7782	Chris	president	22-06-17	6.852102779022301871764237355635205097 57
16	116	7698	Diana	associate	13-12-23	0.376296327409398645957785742731979291 1192
17	117	7566	Adam	sr. analyst	27-04-22	2.005328585473914774990043807248108323 38
18	118	7639	Ward	manager	02-05-20	3.989199553215850258861011549183592194 35
19	119	7839	Turner	salesman	15-08-23	0.704253316656710473914774990043807248 1083
20	120	7782	Scott	clerk	01-10-22	1.575221058592194344882516925527678215 85

8) **List the Employee ID, Employee name, Salary, Experience of all employees working for Mgr 7566**



Worksheet | Query Builder

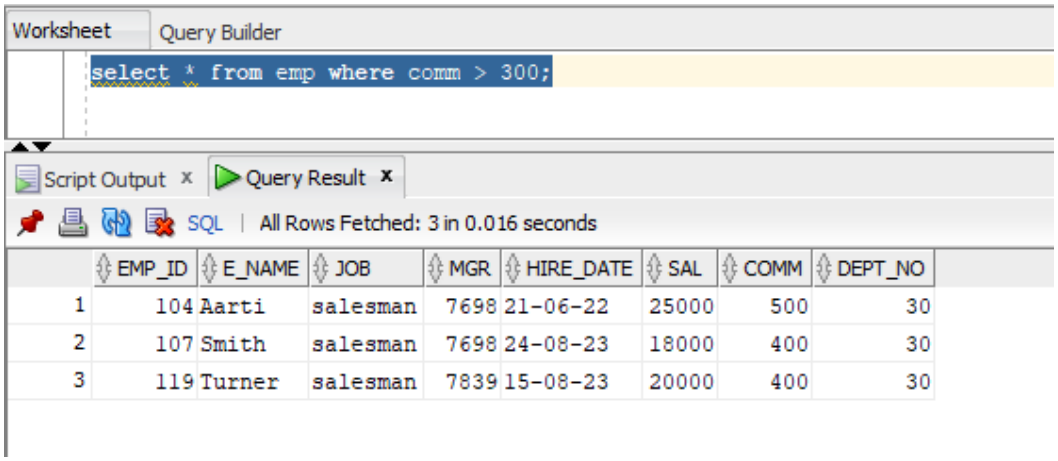
```
select emp_id,e_name,sal,(months_between(sysdate,hire_date)/12) as Exp from emp where mgr =7566;
```

Script Output | Query Result

SQL | All Rows Fetched: 4 in 0.015 seconds

	EMP_ID	E_NAME	..	EXP
1	106	Blake	16000	0.122214412833532457188371166865790521 7042
2	111	Allen	35000	3.119526240790521704500199123855037833 53
3	112	Martin	35000	1.915225165521704500199123855037833532 46
4	117	Adam	37000	2.006623014984070091596973317403424930 31

9) Display all the details of the employees whose Commission is more than 300

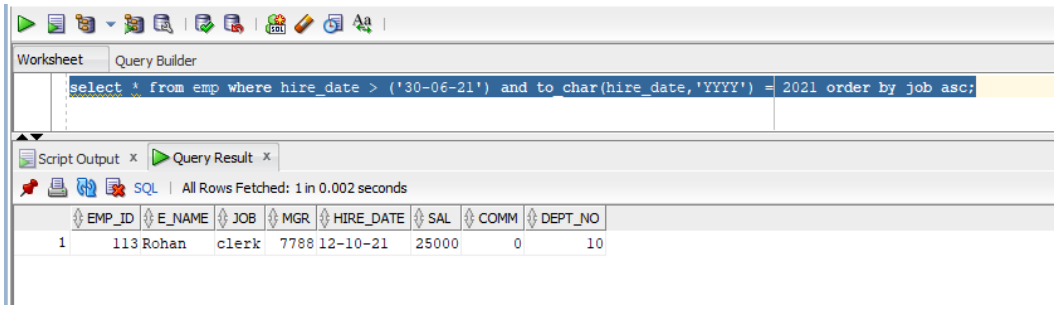


```
select * from emp where comm > 300;
```

Script Output | Query Result | SQL | All Rows Fetched: 3 in 0.016 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	104	Aarti	salesman	7698	21-06-22	25000	500	30
2	107	Smith	salesman	7698	24-08-23	18000	400	30
3	119	Turner	salesman	7839	15-08-23	20000	400	30

10) List the employees in the ascending order of Designations of those who joined after the second half of 2021

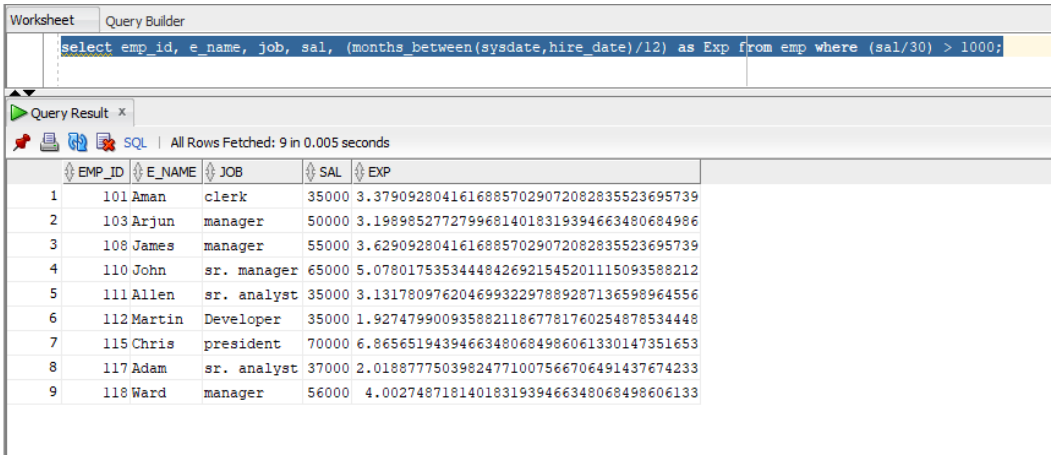


```
select * from emp where hire_date > ('30-06-21') and to_char(hire_date,'YYYY') = 2021 order by job asc;
```

Script Output | Query Result | SQL | All Rows Fetched: 1 in 0.002 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	113	Rohan	clerk	7788	12-10-21	25000	0	10

11) List the employees along with their Experience and Daily Salary is more than Rs.1000

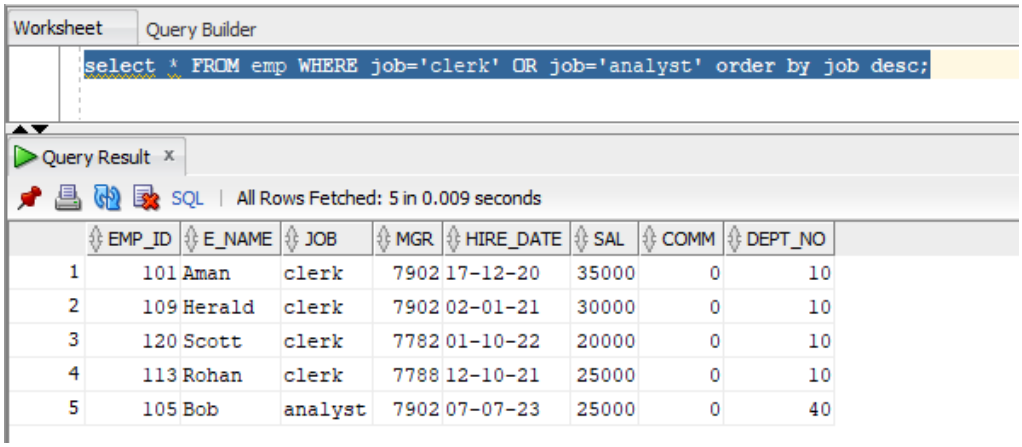


```
select emp_id, e_name, job, sal, (months_between(sysdate,hire_date)/12) as Exp from emp where (sal/30) > 1000;
```

Query Result | SQL | All Rows Fetched: 9 in 0.005 seconds

	EMP_ID	E_NAME	JOB	SAL	EXP
1	101	Aman	clerk	35000	3.37909280416168857029072082835523695739
2	103	Arjun	manager	50000	3.19898527727996814018319394663480684986
3	108	James	manager	55000	3.62909280416168857029072082835523695739
4	110	John	sr. manager	65000	5.07801753534448426921545201115093588212
5	111	Allen	sr. analyst	35000	3.13178097620469932297889287136598964556
6	112	Martin	Developer	35000	1.92747990093588211867781760254878534448
7	115	Chris	president	70000	6.86565194394663480684986061330147351653
8	117	Adam	sr. analyst	37000	2.01887775039824771007566706491437674233
9	118	Ward	manager	56000	4.00274871814018319394663480684986061333

12) List the employees who are either 'CLERK' or 'ANALYST' in the Descending order



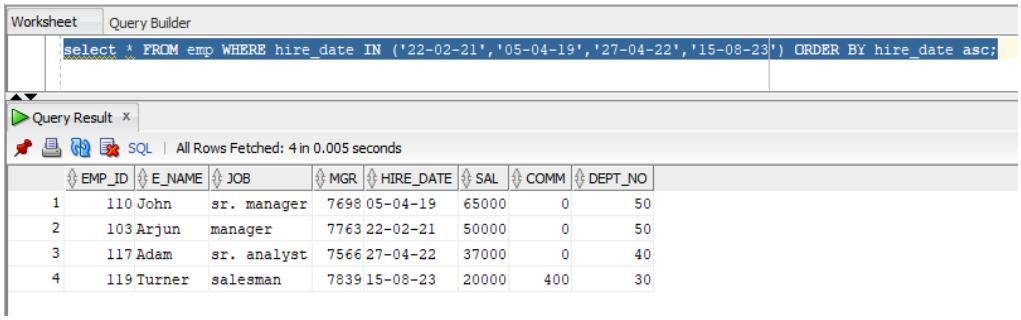
Worksheet | Query Builder

```
select * FROM emp WHERE job='clerk' OR job='analyst' order by job desc;
```

Query Result | SQL | All Rows Fetched: 5 in 0.009 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	101	Aman	clerk	7902	17-12-20	35000	0	10
2	109	Herald	clerk	7902	02-01-21	30000	0	10
3	120	Scott	clerk	7782	01-10-22	20000	0	10
4	113	Rohan	clerk	7788	12-10-21	25000	0	10
5	105	Bob	analyst	7902	07-07-23	25000	0	40

13) List the employees who joined on 22-02-21,05-04-19,27-04-22,15-08-23 in ascending order of seniority



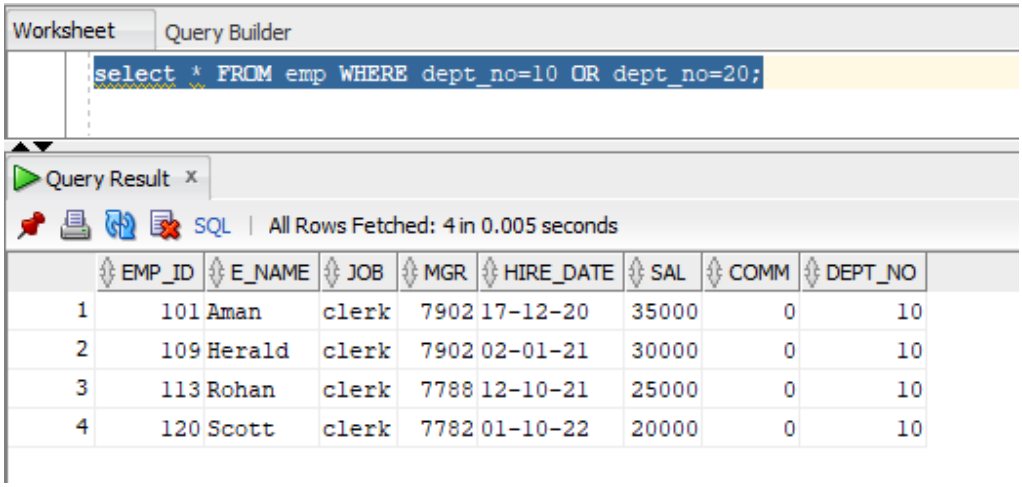
Worksheet | Query Builder

```
select * FROM emp WHERE hire_date IN ('22-02-21','05-04-19','27-04-22','15-08-23') ORDER BY hire_date asc;
```

Query Result | SQL | All Rows Fetched: 4 in 0.005 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	110	John	sr. manager	7698	05-04-19	65000	0	50
2	103	Arjun	manager	7763	22-02-21	50000	0	50
3	117	Adam	sr. analyst	7566	27-04-22	37000	0	40
4	119	Turner	salesman	7839	15-08-23	20000	400	30

14) List the emp who are working for the dept_no 10 or 20



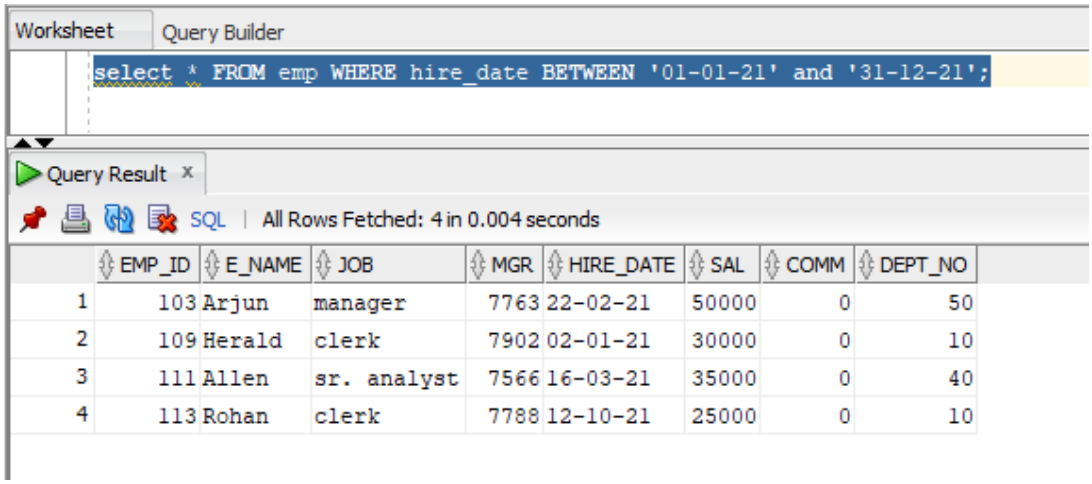
Worksheet | Query Builder

```
select * FROM emp WHERE dept_no=10 OR dept_no=20;
```

Query Result | SQL | All Rows Fetched: 4 in 0.005 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	101	Aman	clerk	7902	17-12-20	35000	0	10
2	109	Herald	clerk	7902	02-01-21	30000	0	10
3	113	Rohan	clerk	7788	12-10-21	25000	0	10
4	120	Scott	clerk	7782	01-10-22	20000	0	10

15) List the employees who are joined in the year 21



Worksheet | Query Builder

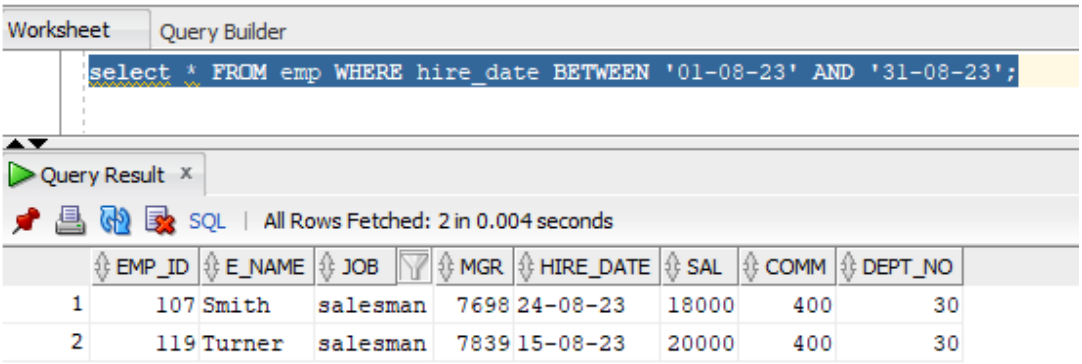
```
select * FROM emp WHERE hire_date BETWEEN '01-01-21' and '31-12-21';
```

Query Result

SQL | All Rows Fetched: 4 in 0.004 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	103	Arjun	manager	7763	22-02-21	50000	0	50
2	109	Herald	clerk	7902	02-01-21	30000	0	10
3	111	Allen	sr. analyst	7566	16-03-21	35000	0	40
4	113	Rohan	clerk	7788	12-10-21	25000	0	10

16) List the employees who are joined in the month of Aug 2023



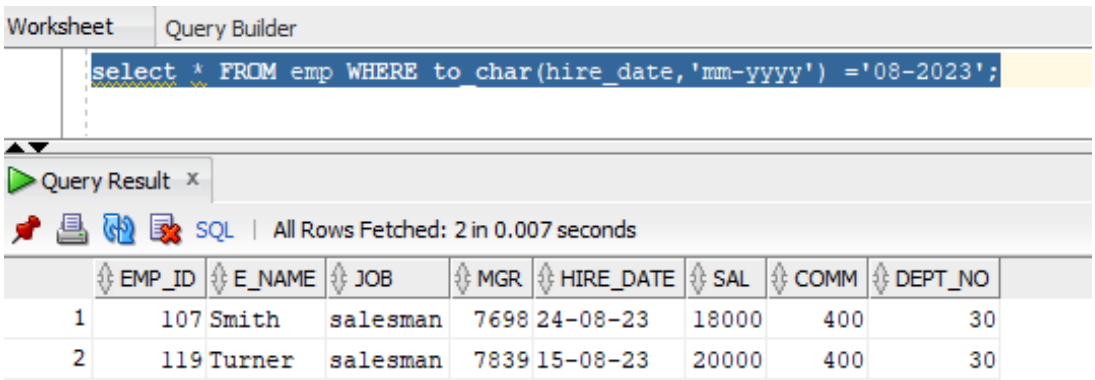
Worksheet | Query Builder

```
select * FROM emp WHERE hire_date BETWEEN '01-08-23' AND '31-08-23';
```

Query Result

SQL | All Rows Fetched: 2 in 0.004 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	107	Smith	salesman	7698	24-08-23	18000	400	30
2	119	Turner	salesman	7839	15-08-23	20000	400	30



Worksheet | Query Builder

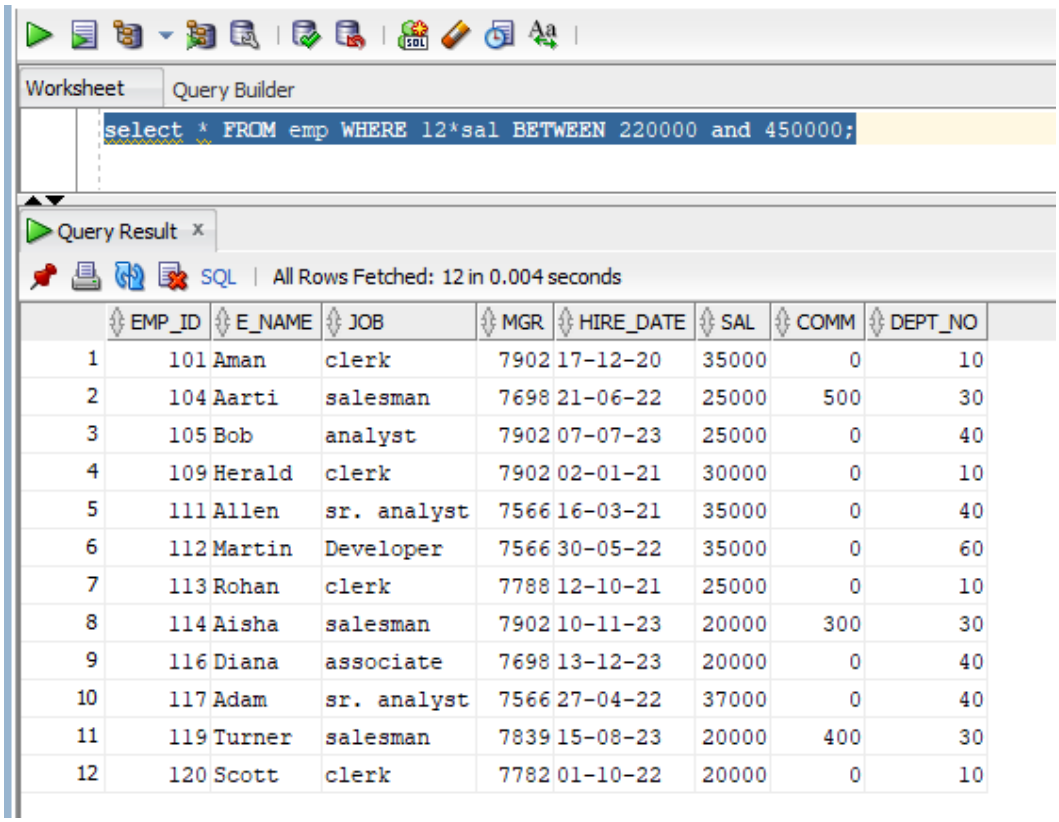
```
select * FROM emp WHERE to_char(hire_date,'mm-yyyy') ='08-2023';
```

Query Result

SQL | All Rows Fetched: 2 in 0.007 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	107	Smith	salesman	7698	24-08-23	18000	400	30
2	119	Turner	salesman	7839	15-08-23	20000	400	30

17) List the employees Whose Annual salary ranging FROM 220000 and 450000



Worksheet | Query Builder

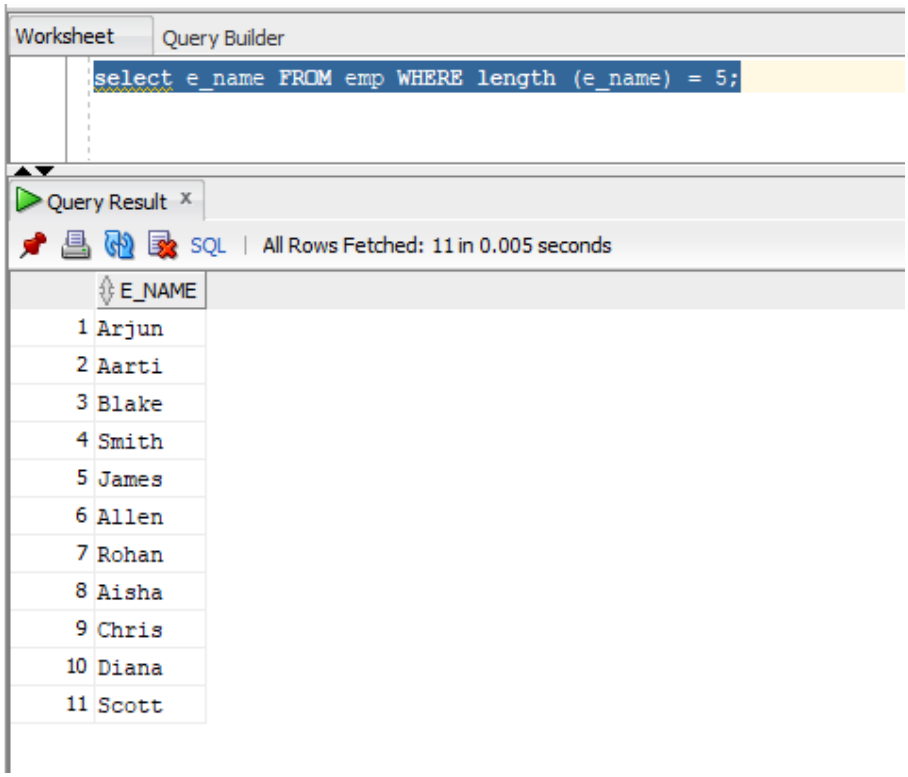
```
select * FROM emp WHERE 12*sal BETWEEN 220000 and 450000;
```

Query Result

SQL | All Rows Fetched: 12 in 0.004 seconds

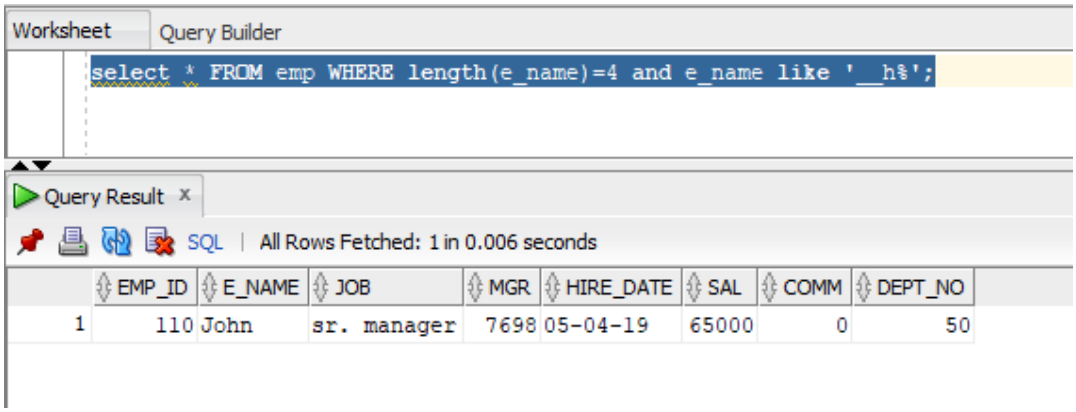
	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	101	Aman	clerk	7902	17-12-20	35000	0	10
2	104	Aarti	salesman	7698	21-06-22	25000	500	30
3	105	Bob	analyst	7902	07-07-23	25000	0	40
4	109	Herald	clerk	7902	02-01-21	30000	0	10
5	111	Allen	sr. analyst	7566	16-03-21	35000	0	40
6	112	Martin	Developer	7566	30-05-22	35000	0	60
7	113	Rohan	clerk	7788	12-10-21	25000	0	10
8	114	Aisha	salesman	7902	10-11-23	20000	300	30
9	116	Diana	associate	7698	13-12-23	20000	0	40
10	117	Adam	sr. analyst	7566	27-04-22	37000	0	40
11	119	Turner	salesman	7839	15-08-23	20000	400	30
12	120	Scott	clerk	7782	01-10-22	20000	0	10

18) List the Employee name those are having five characters in their Names

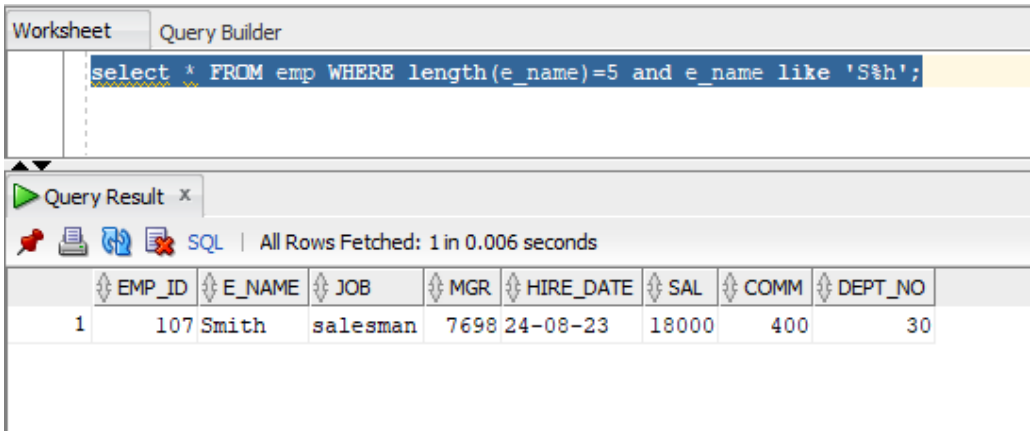


19) List the Employee names those are starting with 'S' and with five characters

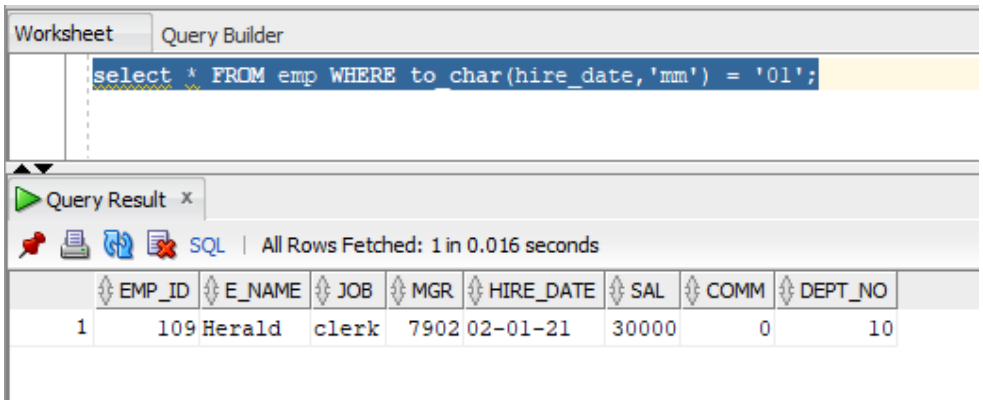
20) List the employees those are having four chars and third character must be ‘h’



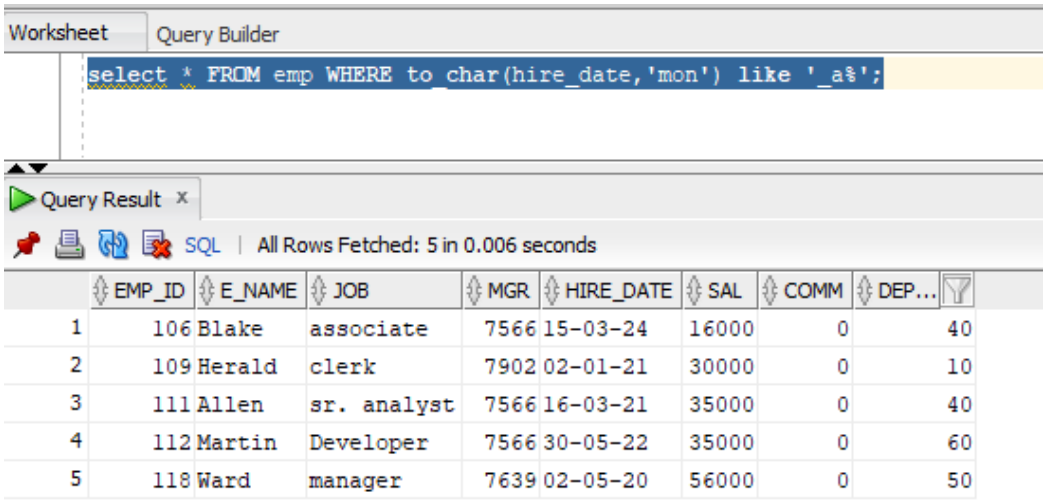
21) List the 5 characters name starting with ‘S’ and ending with ‘H’



22) List the employees who joined in January

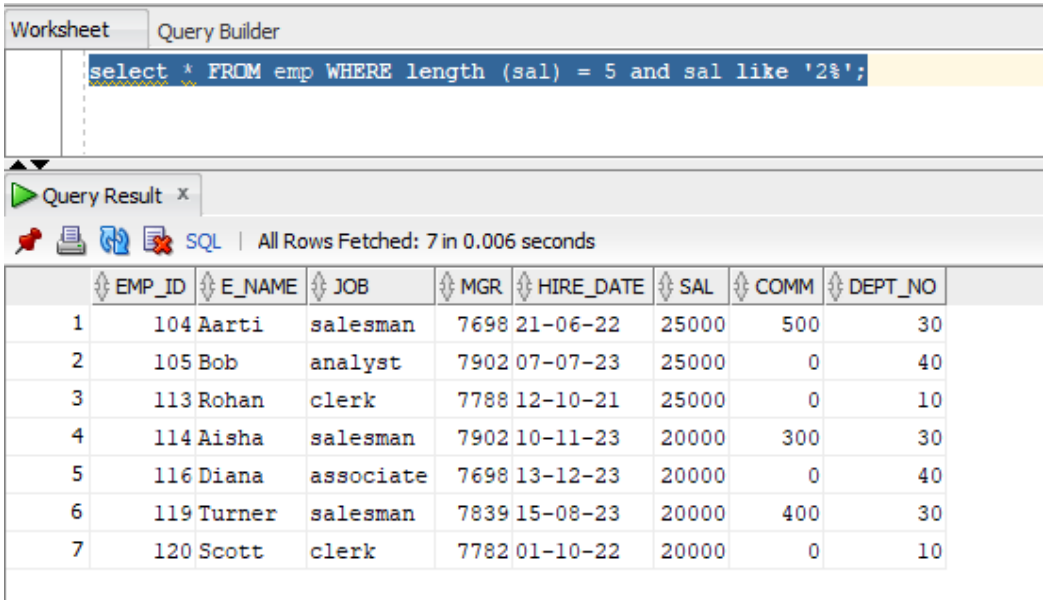


23) List the employees who joined in the month of which second character is ‘a’



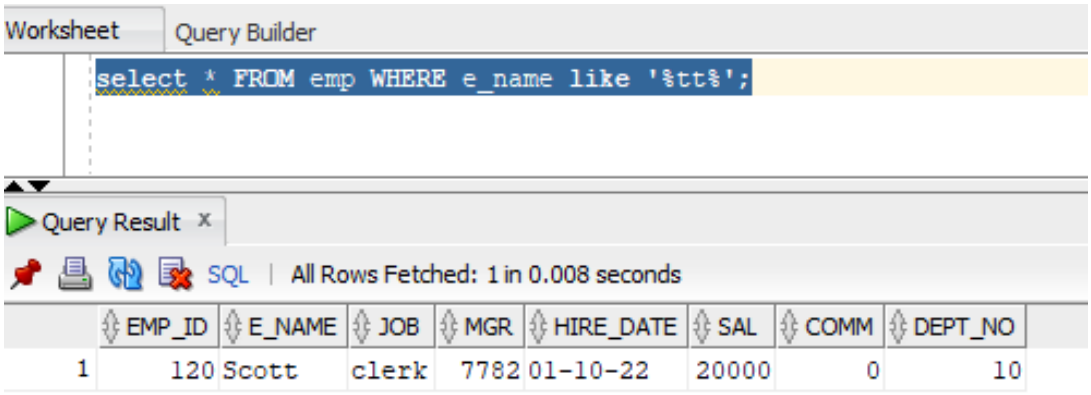
	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEP...
1	106	Blake	associate	7566	15-03-24	16000	0	40
2	109	Herald	clerk	7902	02-01-21	30000	0	10
3	111	Allen	sr. analyst	7566	16-03-21	35000	0	40
4	112	Martin	Developer	7566	30-05-22	35000	0	60
5	118	Ward	manager	7639	02-05-20	56000	0	50

24) List the employees whose Salary is five digits number starting with 2



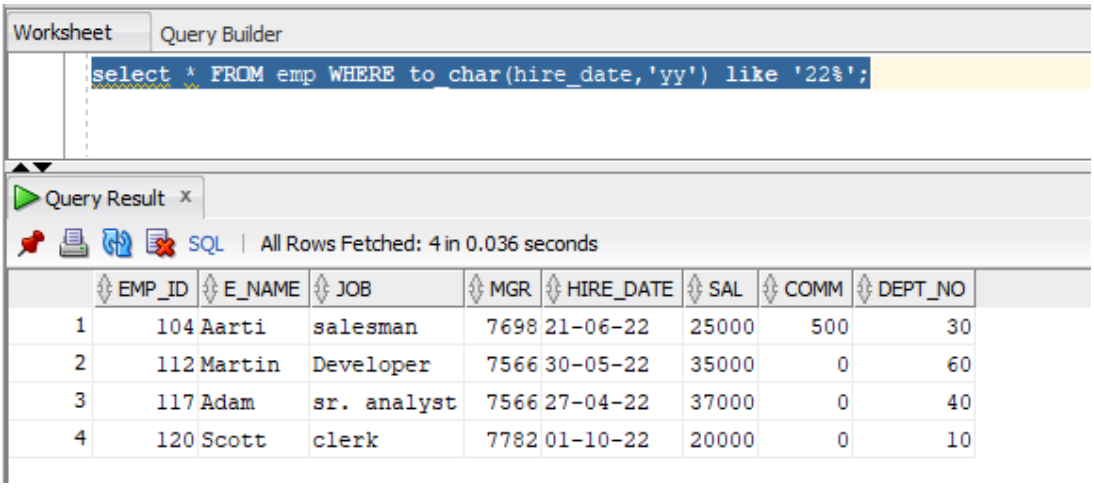
	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	104	Aarti	salesman	7698	21-06-22	25000	500	30
2	105	Bob	analyst	7902	07-07-23	25000	0	40
3	113	Rohan	clerk	7788	12-10-21	25000	0	10
4	114	Aisha	salesman	7902	10-11-23	20000	300	30
5	116	Diana	associate	7698	13-12-23	20000	0	40
6	119	Turner	salesman	7839	15-08-23	20000	400	30
7	120	Scott	clerk	7782	01-10-22	20000	0	10

25) List the employees whose names having a character set ‘tt’ together



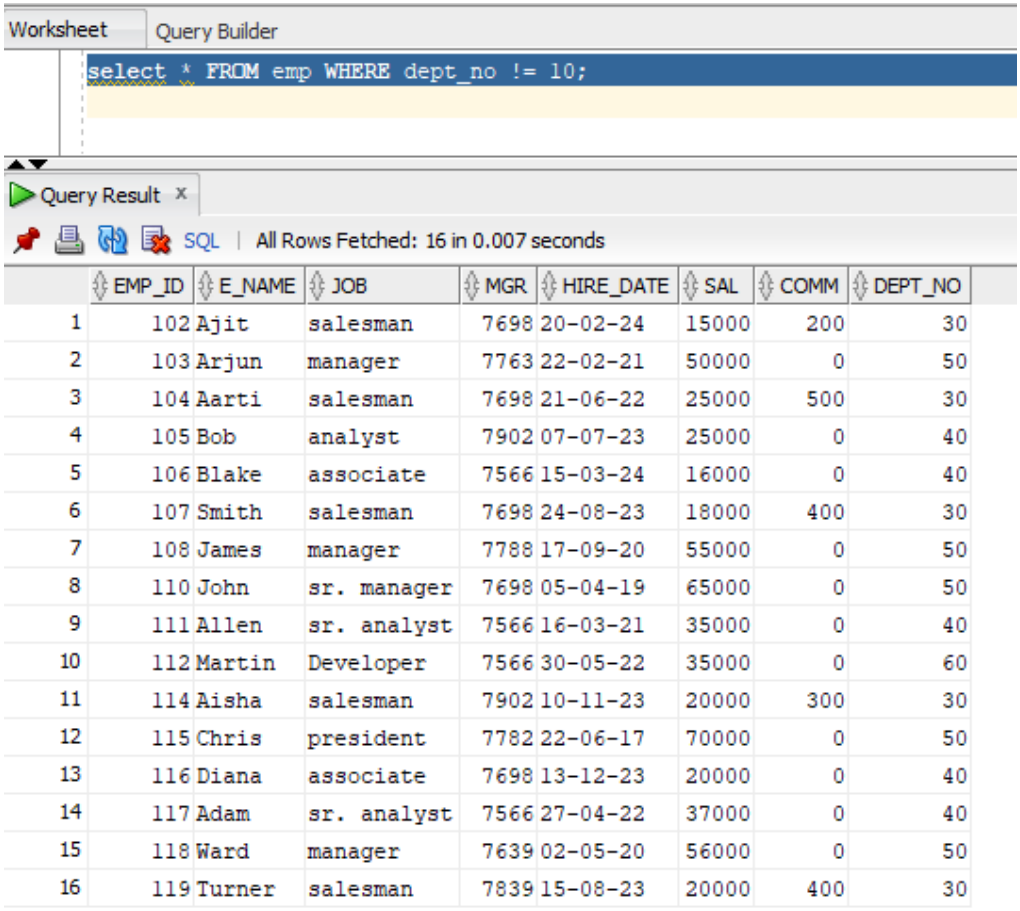
	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	120	Scott	clerk	7782	01-10-22	20000	0	10

26) List the employees those who joined in 22’s



	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	104	Aarti	salesman	7698	21-06-22	25000	500	30
2	112	Martin	Developer	7566	30-05-22	35000	0	60
3	117	Adam	sr. analyst	7566	27-04-22	37000	0	40
4	120	Scott	clerk	7782	01-10-22	20000	0	10

27) List the employees who does not belong to department no 10



	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	102	Ajit	salesman	7698	20-02-24	15000	200	30
2	103	Arjun	manager	7763	22-02-21	50000	0	50
3	104	Aarti	salesman	7698	21-06-22	25000	500	30
4	105	Bob	analyst	7902	07-07-23	25000	0	40
5	106	Blake	associate	7566	15-03-24	16000	0	40
6	107	Smith	salesman	7698	24-08-23	18000	400	30
7	108	James	manager	7788	17-09-20	55000	0	50
8	110	John	sr. manager	7698	05-04-19	65000	0	50
9	111	Allen	sr. analyst	7566	16-03-21	35000	0	40
10	112	Martin	Developer	7566	30-05-22	35000	0	60
11	114	Aisha	salesman	7902	10-11-23	20000	300	30
12	115	Chris	president	7782	22-06-17	70000	0	50
13	116	Diana	associate	7698	13-12-23	20000	0	40
14	117	Adam	sr. analyst	7566	27-04-22	37000	0	40
15	118	Ward	manager	7639	02-05-20	56000	0	50
16	119	Turner	salesman	7839	15-08-23	20000	400	30

28) List all the employees except 'PRESIDENT', 'MANAGER' in ascending Order of Salaries

Worksheet | Query Builder

```
select * FROM emp WHERE job not in ('president','manager') ORDER by sal asc;
```

Query Result

SQL | All Rows Fetched: 16 in 0.006 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	102	Ajit	salesman	7698	20-02-24	15000	200	30
2	106	Blake	associate	7566	15-03-24	16000	0	40
3	107	Smith	salesman	7698	24-08-23	18000	400	30
4	119	Turner	salesman	7839	15-08-23	20000	400	30
5	120	Scott	clerk	7782	01-10-22	20000	0	10
6	116	Diana	associate	7698	13-12-23	20000	0	40
7	114	Aisha	salesman	7902	10-11-23	20000	300	30
8	104	Aarti	salesman	7698	21-06-22	25000	500	30
9	113	Rohan	clerk	7788	12-10-21	25000	0	10
10	105	Bob	analyst	7902	07-07-23	25000	0	40
11	109	Herald	clerk	7902	02-01-21	30000	0	10
12	111	Allen	sr. analyst	7566	16-03-21	35000	0	40
13	112	Martin	Developer	7566	30-05-22	35000	0	60
14	101	Aman	clerk	7902	17-12-20	35000	0	10
15	117	Adam	sr. analyst	7566	27-04-22	37000	0	40
16	110	John	sr. manager	7698	05-04-19	65000	0	50

29) List all the employees who joined before OR after 2021

Worksheet | Query Builder

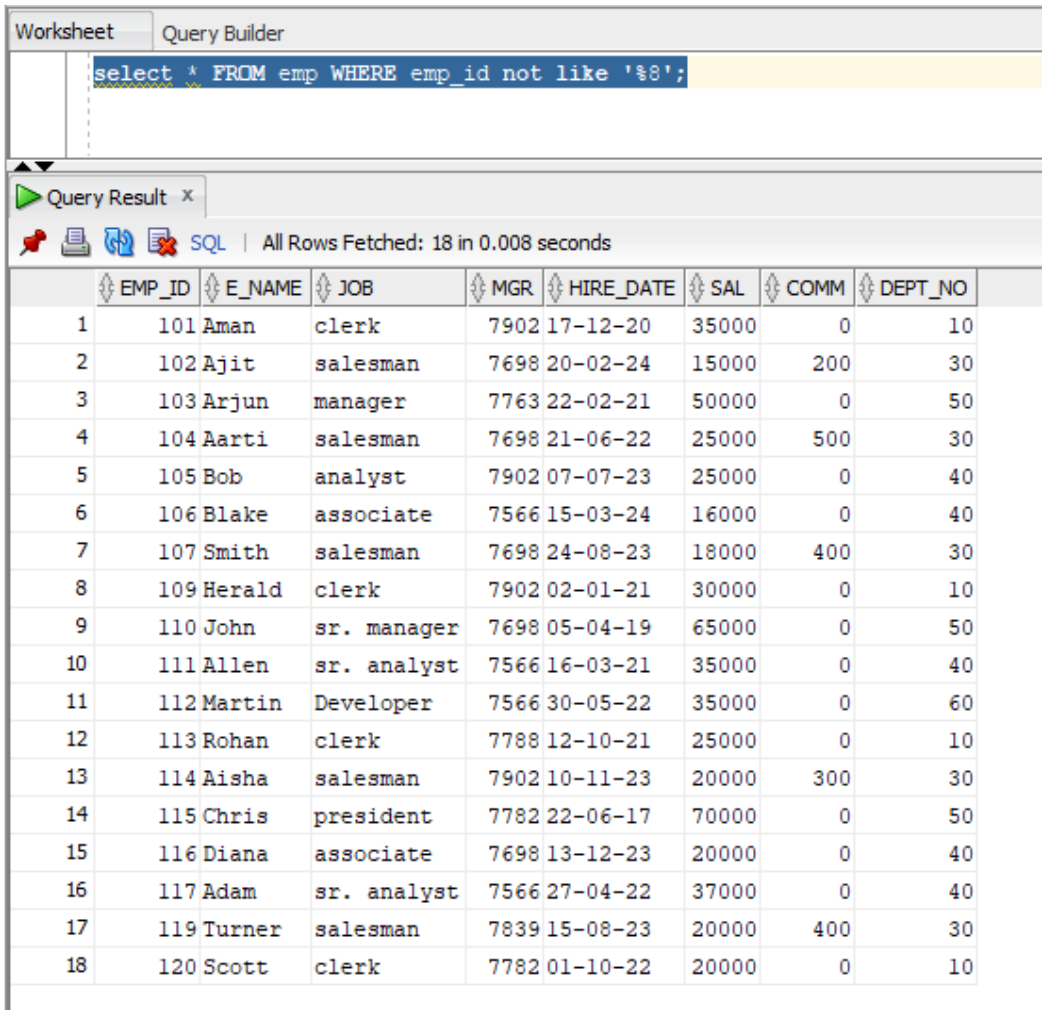
```
select * FROM emp WHERE to_char (hire_date,'YY') not in ('21');
```

Query Result

SQL | All Rows Fetched: 16 in 0.007 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	101	Aman	clerk	7902	17-12-20	35000	0	10
2	102	Ajit	salesman	7698	20-02-24	15000	200	30
3	104	Aarti	salesman	7698	21-06-22	25000	500	30
4	105	Bob	analyst	7902	07-07-23	25000	0	40
5	106	Blake	associate	7566	15-03-24	16000	0	40
6	107	Smith	salesman	7698	24-08-23	18000	400	30
7	108	James	manager	7788	17-09-20	55000	0	50
8	110	John	sr. manager	7698	05-04-19	65000	0	50
9	112	Martin	Developer	7566	30-05-22	35000	0	60
10	114	Aisha	salesman	7902	10-11-23	20000	300	30
11	115	Chris	president	7782	22-06-17	70000	0	50
12	116	Diana	associate	7698	13-12-23	20000	0	40
13	117	Adam	sr. analyst	7566	27-04-22	37000	0	40
14	118	Ward	manager	7639	02-05-20	56000	0	50
15	119	Turner	salesman	7839	15-08-23	20000	400	30
16	120	Scott	clerk	7782	01-10-22	20000	0	10

30) List the employees whose Emp_ID not ending with digit 8



Worksheet | Query Builder

```
select * FROM emp WHERE emp_id not like '%8';
```

Query Result

SQL | All Rows Fetched: 18 in 0.008 seconds

	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	101	Aman	clerk	7902	17-12-20	35000	0	10
2	102	Ajit	salesman	7698	20-02-24	15000	200	30
3	103	Arjun	manager	7763	22-02-21	50000	0	50
4	104	Aarti	salesman	7698	21-06-22	25000	500	30
5	105	Bob	analyst	7902	07-07-23	25000	0	40
6	106	Blake	associate	7566	15-03-24	16000	0	40
7	107	Smith	salesman	7698	24-08-23	18000	400	30
8	109	Herald	clerk	7902	02-01-21	30000	0	10
9	110	John	sr. manager	7698	05-04-19	65000	0	50
10	111	Allen	sr. analyst	7566	16-03-21	35000	0	40
11	112	Martin	Developer	7566	30-05-22	35000	0	60
12	113	Rohan	clerk	7788	12-10-21	25000	0	10
13	114	Aisha	salesman	7902	10-11-23	20000	300	30
14	115	Chris	president	7782	22-06-17	70000	0	50
15	116	Diana	associate	7698	13-12-23	20000	0	40
16	117	Adam	sr. analyst	7566	27-04-22	37000	0	40
17	119	Turner	salesman	7839	15-08-23	20000	400	30
18	120	Scott	clerk	7782	01-10-22	20000	0	10

31) List the employees who joined in any year but not belongs to the month of march

Worksheet | Query Builder

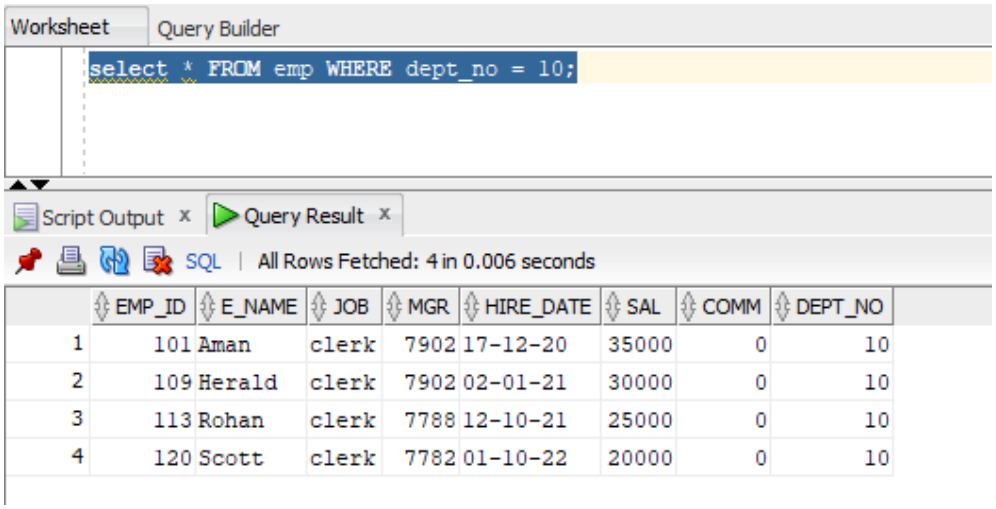
```
select * FROM emp WHERE to_char (hire_date,'mon') not in ('mar');

select * FROM emp WHERE to_char (hire_date,'mon') != 'mar';

select * FROM emp WHERE to char(hire_date,'mon') <> 'mar';
```

Script Output | Query Result

SQL | All Rows Fetched: 18 in 0.007 seconds

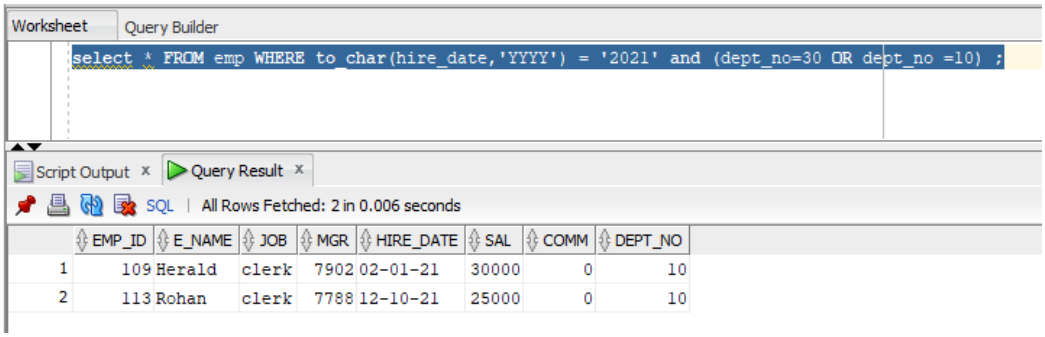
	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	101	Aman	clerk	7902	17-12-20	35000	0	10
2	102	Ajit	salesman	7698	20-02-24	15000	200	30
3	103	Arjun	manager	7763	22-02-21	50000	0	50
4	104	Aarti	salesman	7698	21-06-22	25000	500	30
5	105	Bob	analyst	7902	07-07-23	25000	0	40
6	107	Smith	salesman	7698	24-08-23	18000	400	30
7	108	James	manager	7788	17-09-20	55000	0	50
8	109	Herald	clerk	7902	02-01-21	30000	0	10
9	110	John	sr. manager	7698	05-04-19	65000	0	50
10	112	Martin	Developer	7566	30-05-22	35000	0	60
11	113	Rohan	clerk	7788	12-10-21	25000	0	10
12	114	Aisha	salesman	7902	10-11-23	20000	300	30
13	115	Chris	president	7782	22-06-17	70000	0	50
14	116	Diana	associate	7698	13-12-23	20000	0	40
15	117	Adam	sr. analyst	7566	27-04-22	37000	0	40
16	118	Ward	manager	7639	02-05-20	56000	0	50
17	119	Turner	salesman	7839	15-08-23	20000	400	30
18	120	Scott	clerk	7782	01-10-22	20000	0	10

32) List all the employees of department number 10



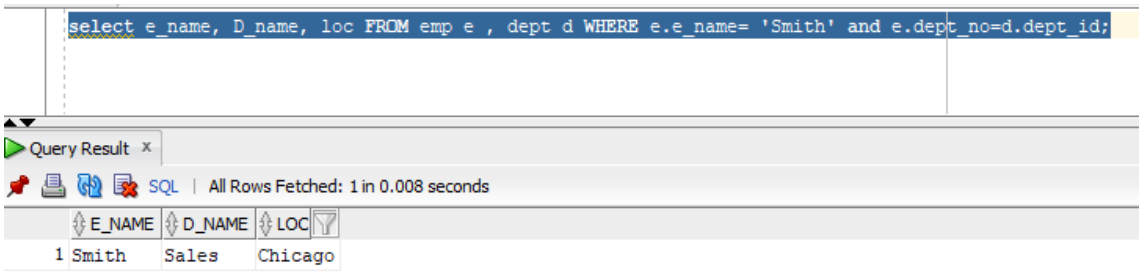
	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	101	Aman	clerk	7902	17-12-20	35000	0	10
2	109	Herald	clerk	7902	02-01-21	30000	0	10
3	113	Rohan	clerk	7788	12-10-21	25000	0	10
4	120	Scott	clerk	7782	01-10-22	20000	0	10

33) List the employees of department number 30 OR 10 joined in the year 2021.



	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	109	Herald	clerk	7902	02-01-21	30000	0	10
2	113	Rohan	clerk	7788	12-10-21	25000	0	10

34) Display the location of SMITH



	E_NAME	D_NAME	LOC
1	Smith	Sales	Chicago

35) List the total information of emp table along with d_name and Location of all the employees working Under ‘accounting’ & ‘sales’ in the ascending dept_no

```
select * FROM dept d, emp e WHERE d.d_name in('Accounting', 'Sales') and e.dept_no = d.dept_id ORDER by e.dept_no asc;
```

Query Result

SQL | All Rows Fetched: 9 in 0.007 seconds

	DEPT_ID	D_NAME	LOC	EMP_ID	E_NAME	JOB	MGR	HIRE_DATE	SAL	COMM	DEPT_NO
1	10	Accounting	Newyork	101	Aman	clerk	7902	17-12-20	35000	0	10
2	10	Accounting	Newyork	109	Herald	clerk	7902	02-01-21	30000	0	10
3	10	Accounting	Newyork	113	Rohan	clerk	7788	12-10-21	25000	0	10
4	10	Accounting	Newyork	120	Scott	clerk	7782	01-10-22	20000	0	10
5	30	Sales	Chicago	114	Aisha	salesman	7902	10-11-23	20000	300	30
6	30	Sales	Chicago	119	Turner	salesman	7839	15-08-23	20000	400	30
7	30	Sales	Chicago	107	Smith	salesman	7698	24-08-23	18000	400	30
8	30	Sales	Chicago	104	Aarti	salesman	7698	21-06-22	25000	500	30
9	30	Sales	Chicago	102	Ajit	salesman	7698	20-02-24	15000	200	30