## ASSIGNMENT - 2 DBMS LAB

ROUNAK SAHA IT - A3 002211001132 1.Display the Name, manager Id, and hire date of all employees who are either clerk or works in dept 20. the date should be in the following format: DATE\_HIRED Seventeenth December, 1980 Second April, 1981

```
1 SELECT ENAME, MGR, TO_CHAR(HIREDATE, 'DDSPTH MONTH, YYYY') AS HIREDATE
2 FROM EMP
3 WHERE JOB = 'CLERK'
4 OR DEPTNO = 20;
```

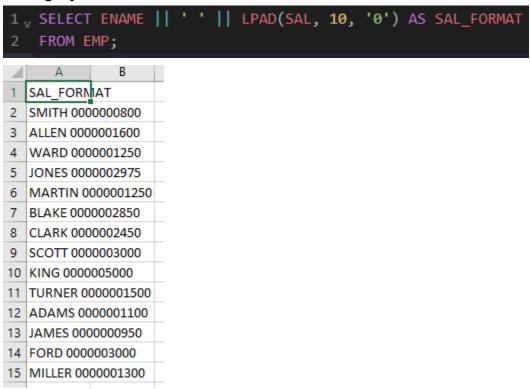
ENAME	MGR	HIREDATE				
SMITH	7902	SEVENTEENTH DECEMBER ,1980				
JONES	7839	SECOND APRIL ,1981				
SCOTT	7566	NINETEENTH APRIL ,1987				
ADAMS	7788	TWENTY-THIRD MAY ,1987				
JAMES	7698	THIRD DECEMBER ,1981				
FORD	7566	THIRD DECEMBER ,1981				
MILLER	7782	TWENTY-THIRD JANUARY ,1982				
Download CSV						
7 rows selected.						

2. List the employee name and old salary and new increased salary by 25% and expressed as a whole number.

1 v SELECT ENAME, SAL, ROUND(SAL \* 1.25) AS NEW\_SAL 2 FROM EMP;

	Α	В	С
1	ENAME	SAL	NEW_SAL
2	SMITH	800	1000
3	ALLEN	1600	2000
4	WARD	1250	1563
5	JONES	2975	3719
6	MARTIN	1250	1563
7	BLAKE	2850	3563
8	CLARK	2450	3063
9	SCOTT	3000	3750
10	KING	5000	6250
11	TURNER	1500	1875
12	ADAMS	1100	1375
13	JAMES	950	1188
14	FORD	3000	3750
15	MILLER	1300	1625
4.0			

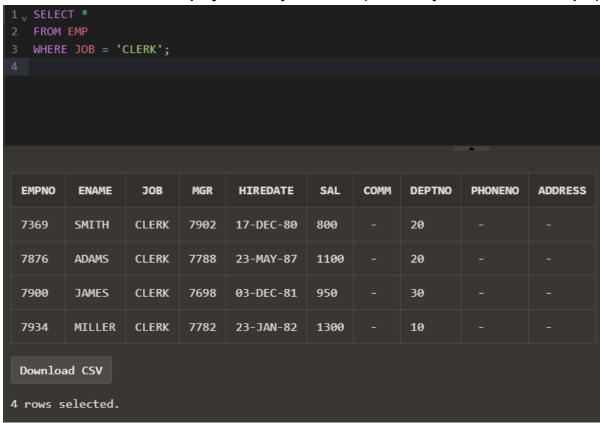
3. List the employee name and salary where name is displayed as left justified and salary with right justified.



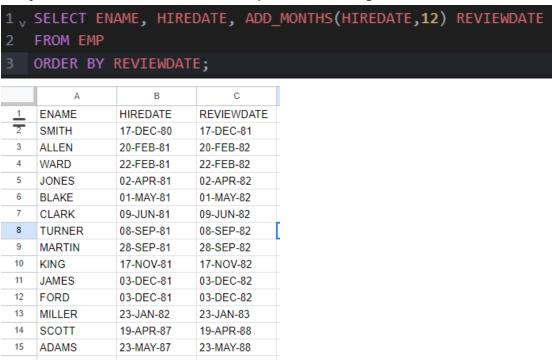
4. Produce the output as follows(for all employees) ROLE OF THE EMPLOYEE Name1 () Name2 () ....... Note: Only first character of Name and job will be in uppercase.



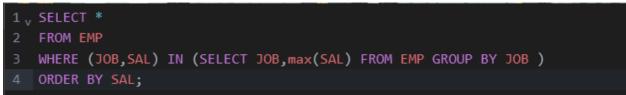
5. Give the details of an employees with job is clerk (enter the job value clerk as input).



6. Display each employee name with hiredate and salary review date. Assume that date is one year after hiredate. Order the output in ascending review date order.

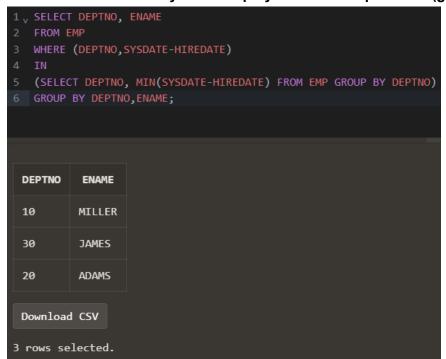


7. Find the employees(s) who earn the highest salary in each job type sort in descending salary order(Use IN operator and subqueries)



EMPNO	ENAME	ЈОВ	MGR	HIREDATE	SAL	СОММ	DEPTNO	PHONENO	ADDRESS	
7934	MILLER	CLERK	7782	23-JAN-82	1300		10			
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30			
7566	JONES	MANAGER	7839	02-APR-81	2975		20			
7788	SCOTT	ANALYST	7566	19-APR-87	3000		20			
7902	FORD	ANALYST	7566	03-DEC-81	3000		20			
7839	KING	PRESIDENT		17-NOV-81	5000		10			
Download CSV										
6 rows selected.										

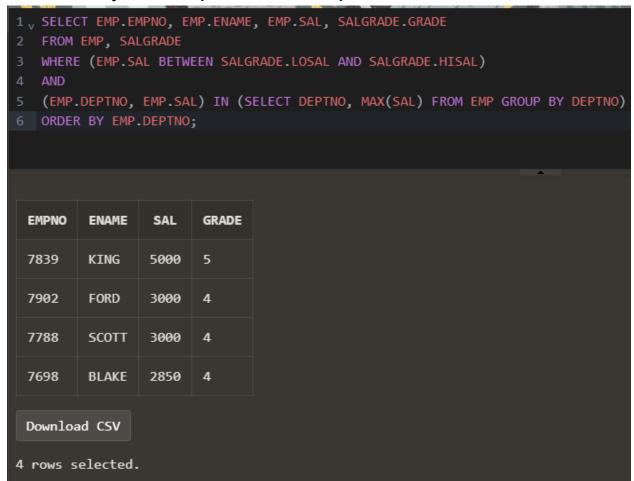
8. Find the most recently hired employee in each department (give number only).



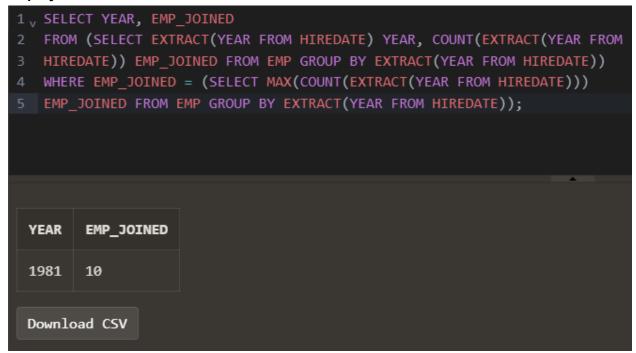
9. Show the name of the department and no of employees who works in that department. Sort in department number.



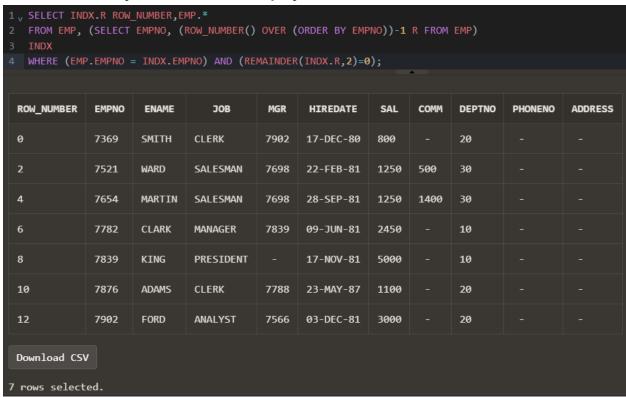
10. Display the Id, name, salary and the salary grade for any employee who earns the maximum salary for their department. Sort in department number.



11. In which year did most people join the company? Display the year and number of employees.



12. Show the every alternate row in employee table.



13. Display the total salary of all employees. Total salary = salary + commission.

```
1 SELECT SUM(CTC) TOTAL_SAL
2 FROM (SELECT EMP.*, R.CTC CTC
3 FROM EMP, ((SELECT SAL + COMM CTC, EMPNO
4 FROM EMP WHERE COMM IS NOT NULL)
5 UNION
6 (SELECT SAL CTC, EMPNO
7 FROM EMP WHERE COMM IS NULL)) R
8 WHERE R.EMPNO = EMP.EMPNO);

TOTAL_SAL
31225

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```

14. Display the department name and available jobs in that department.



15. Display all the available departments and the employee(s) works under it.

