SQL*Plus Exercise

1. Create a Matrix Report as shown below:-

<div align="center">

EMPLOYEE SUMMARY

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DNAME	ANALYST	CLERK	MANAGER	SALESMAN	PRESIDENT	DEPT TOTAL
ACCOUNTING	0.00	1,300.00	2,450.00	0.00	5,000.00	8,750.00
RESEARCH	6,000.00	1,900.00	2,975.00	0.00	0.00	10,875.00
SALES	0.00	950.00	2,850.00	5,600.00	0.00	9,400.00
Total	6,000.00	4,150.00	8,275.00	5,600.00	5,000.00	29,025.00

You have to display the sum of salaries Dnamewise/Jobwise. Assume the existence of the following jobs in Emp table:- ANALYST, CLERK, MANAGER, SALESMAN, PRESIDENT. Your report should display 0.00 if there are no employees in a certain dept doing a certain job e.g. there are no Analysts in ACCOUNTING.

You also have to calculate the Dept totals (Row totals), Job totals (Column totals) and the Grand total.

Format the report as displayed above. The report should contain a page heading of 'EMPLOYEE SUMMARY'.

All the required SQL and SQL*Plus commands are to be saved in a file mymatrix.sql.

2. Create an Employee report in which you're Aggregating Data within Ranges. Your output should be as follows:-

SALRANGE	ENAME	SALARY
0 – 999	SMITH	800.00
	JAMES	950.00
Average:-		875.00
1000 – 1999	ADAMS	1,100.00
	MARTIN	1,250.00
	WARD	1,250.00
	MILLER	1,300.00
	TURNER	1,500.00
	ALLEN	1,600.00
Average:-		1,333.33
2000 – 2999	CLARK	2,450.00
	BLAKE	2,850.00
	JONES	2,975.00
Average:-		2,758.33

The above output should be suitably formatted. Also display the Average Sal in each range as shown above. All the required SQL and SQL*Plus commands are to be saved in a file aggr.sql.