

Exercise - 2

Writing Basic SELECT Statement

=====

- ✓ Use Tables of Employees and Departments that you have created
- ✓ Create one Script which contains all queries
- ✓ Maintain one file and write all queries

=====

1). Select all data from the Departments table.

```
SELECT * FROM DEPARTMENTS  
/
```

2). Create a query to display the Emp name, Job, hire date, and employee no for each employee with no employee appearing first.

```
SELECT EMPNO, ENAME, JOB, HIREDATE FROM EMPLOYEES  
/
```

3). Create a query to display unique jobs from the Employees table.

```
SELECT DISTINCT JOB FROM EMPLOYEES  
/
```

4). Write a query to display the Employee name, Job, and Annual Salary of all employees and give the column heading employee name, Job Role, and Annual Salary respectively.

```
SELECT ENAME AS "EMPLOYEE NAME",  
JOB AS "JOB ROLE",  
SALARY AS "ANNUAL SALARY"  
FROM EMPLOYEES  
/
```

5). Run the Same query as query 5 and give column heading to column respectively Emp#, Employee, Job, Joining Date.

```
SELECT EMPNO AS "EMP#",  
ENAME AS "EMPLOYEE",  
JOB AS "JOB",  
HIREDATE AS "JOINING DATE"  
FROM EMPLOYEES  
/
```

6). Display the Employee name concatenated with job, salary, and annual salary and Name the Column Employee and Title. Example: Parag working as a CLERK and earns 800 monthly and earns 9600 annually

```
SELECT ENAME || ' working as a ' || JOB || ' and earns ' || SALARY  
|| ' monthly and earns ' || SALARY * 12 || ' annually ' AS  
"EMPLOYEE"  
FROM EMPLOYEES  
/
```

7). Write a query that displays empno, ename, job, birthdate, sal, and sal + comm. If comm is null then replace it with 0.

```
SELECT EMPNO, ENAME, JOB, BIRTHDATE, SALARY, SALARY + NVL(COMM, 0)  
FROM EMPLOYEES  
/
```

8) Modify query no 10 and give the heading emp#, employee name, designation, date of birth, salary, and net salary respectively.

```
SELECT EMPNO AS "emp#",  
ENAME AS "employee name",  
JOB AS "designation",  
BIRTHDATE AS "date of birth",  
SALARY AS "salary",  
(SALARY + NVL(COMM, 0))*12 AS "net salary"  
FROM EMPLOYEES  
/
```

9). Write a query to display all data from the employee's table. Separate each column by a comma. Name the Column The_Output.

```
SELECT EMPNO || ' , ' ||  
ENAME || ' , ' ||  
JOB || ' , ' ||  
MGR || ' , ' ||  
BIRTHDATE || ' , ' ||  
HIREDATE || ' , ' ||  
SALARY || ' , ' ||  
NVL(COMM,0) || ' , ' ||  
DEPTNO AS "THE_OUTPUT"  
FROM EMPLOYEES  
/
```