

Name: ZOHAIB HASSAN SOOMRO

RollNo#: 19SW42

Subject: DBS

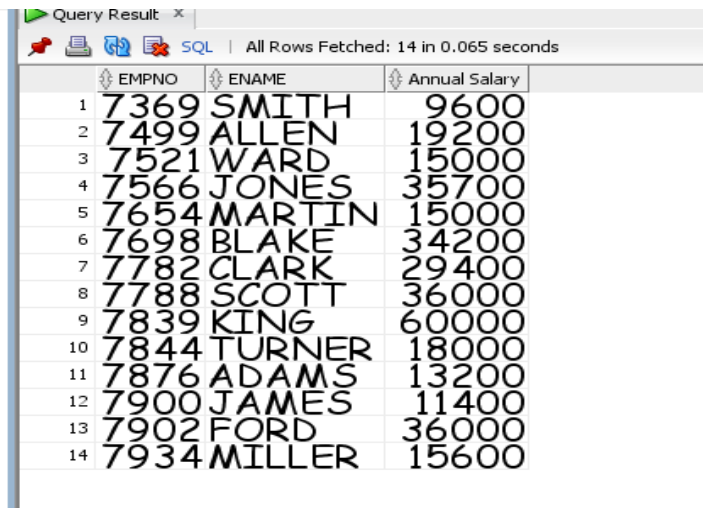
Task#1. Find errors (i.e Correct The Query):

```
SELECT empno, ename sal x 12 Annual Salary FROM  
emp;
```

Correct Query:

```
SELECT empno,ename, sal*12 "Annual Salary" FROM  
emp;
```

Output:



The screenshot shows a SQL query result window titled 'Query Result'. It displays 14 rows of data with columns EMPNO, ENAME, and Annual Salary. The data is as follows:

	EMPNO	ENAME	Annual Salary
1	7369	SMITH	9600
2	7499	ALLEN	19200
3	7521	WARD	15000
4	7566	JONES	35700
5	7654	MARTIN	15000
6	7698	BLAKE	34200
7	7782	CLARK	29400
8	7788	SCOTT	36000
9	7839	KING	60000
10	7844	TURNER	18000
11	7876	ADAMS	13200
12	7900	JAMES	11400
13	7902	FORD	36000
14	7934	MILLER	15600

Task#2: Display employee's annual salary with one-time bonus of \$100.

Query:

```
SELECT ename || "'s annual salary with one time bonus of  
$100 is ' || ((sal*12)+100) "Annual Salary + $100(bonus)"  
FROM emp;
```

Output:

Query Result	
All Rows Fetched: 14 in 0.072 seconds	
Annual Salary + \$100(bonus)	
1	SMITH's annual salary with one time bonus of \$100 is 9700
2	ALLEN's annual salary with one time bonus of \$100 is 19300
3	WARD's annual salary with one time bonus of \$100 is 15100
4	JONES's annual salary with one time bonus of \$100 is 35800
5	MARTIN's annual salary with one time bonus of \$100 is 15100
6	BLAKE's annual salary with one time bonus of \$100 is 34300
7	CLARK's annual salary with one time bonus of \$100 is 29500
8	SCOTT's annual salary with one time bonus of \$100 is 36100
9	KING's annual salary with one time bonus of \$100 is 60100
10	TURNER's annual salary with one time bonus of \$100 is 18100
11	ADAMS's annual salary with one time bonus of \$100 is 13300
12	JAMES's annual salary with one time bonus of \$100 is 11500
13	FORD's annual salary with one time bonus of \$100 is 36100
14	MILLER's annual salary with one time bonus of \$100 is 15700

Task#3: Display annual compensation as monthly salary plus a monthly bonus of \$100.

Query:

```
SELECT sal || ' + 100= ' || (sal+100) "Annual Compensation "
FROM emp;
```

Output:

Query Result	
All Rows Fetched: 14 in 0.003 seconds	
Annual Compensation	
1	800 + 100= 900
2	1600 + 100= 1700
3	1250 + 100= 1350
4	2975 + 100= 3075
5	1250 + 100= 1350
6	2850 + 100= 2950
7	2450 + 100= 2550
8	3000 + 100= 3100
9	5000 + 100= 5100
10	1500 + 100= 1600
11	1100 + 100= 1200
12	950 + 100= 1050
13	3000 + 100= 3100
14	1300 + 100= 1400

Task#4: Display rows in following format

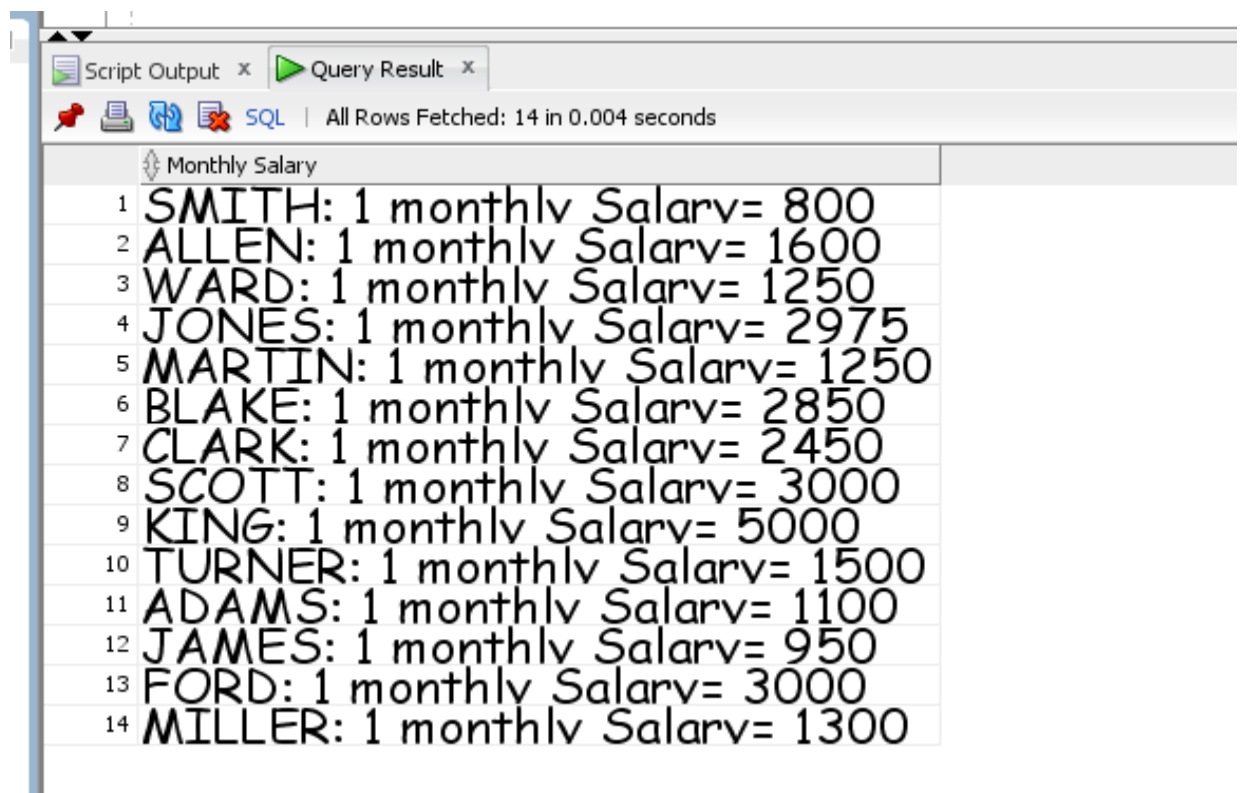
Monthly Salary

King: 1 monthly Salary= 5000

Query:

```
SELECT ename || ': 1 monthly Salary= ' || sal "Monthly Salary"  
FROM emp;
```

Output:



The screenshot shows a SQL query result window with a tab labeled 'Query Result'. The window displays 14 rows of data. The first row is a header: 'Monthly Salary'. The subsequent 13 rows are numbered 1 through 14 and contain the following text: 'SMITH: 1 monthly Salary= 800', 'ALLEN: 1 monthly Salary= 1600', 'WARD: 1 monthly Salary= 1250', 'JONES: 1 monthly Salary= 2975', 'MARTIN: 1 monthly Salary= 1250', 'BLAKE: 1 monthly Salary= 2850', 'CLARK: 1 monthly Salary= 2450', 'SCOTT: 1 monthly Salary= 3000', 'KING: 1 monthly Salary= 5000', 'TURNER: 1 monthly Salary= 1500', 'ADAMS: 1 monthly Salary= 1100', 'JAMES: 1 monthly Salary= 950', 'FORD: 1 monthly Salary= 3000', and 'MILLER: 1 monthly Salary= 1300'. The window also shows a status bar at the top indicating 'All Rows Fetched: 14 in 0.004 seconds'.

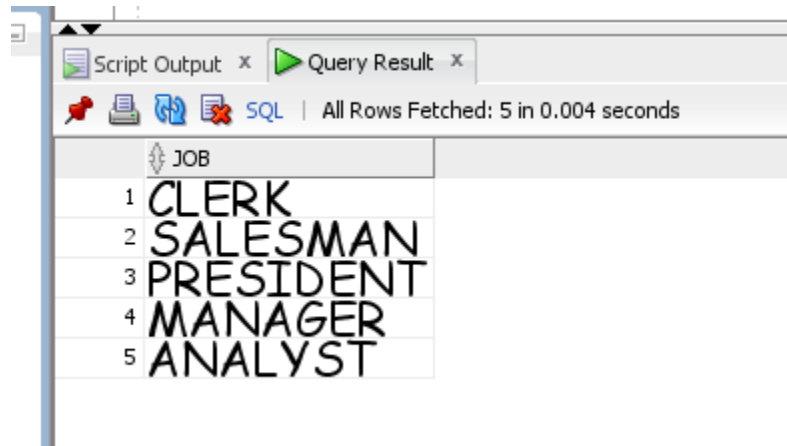
	Monthly Salary
1	SMITH: 1 monthly Salary= 800
2	ALLEN: 1 monthly Salary= 1600
3	WARD: 1 monthly Salary= 1250
4	JONES: 1 monthly Salary= 2975
5	MARTIN: 1 monthly Salary= 1250
6	BLAKE: 1 monthly Salary= 2850
7	CLARK: 1 monthly Salary= 2450
8	SCOTT: 1 monthly Salary= 3000
9	KING: 1 monthly Salary= 5000
10	TURNER: 1 monthly Salary= 1500
11	ADAMS: 1 monthly Salary= 1100
12	JAMES: 1 monthly Salary= 950
13	FORD: 1 monthly Salary= 3000
14	MILLER: 1 monthly Salary= 1300

Task#5: Display kinds of jobs available in employee table.

Query:

```
SELECT DISTINCT job FROM emp;
```

Output:



The screenshot shows a SQL query result window with two tabs: 'Script Output' and 'Query Result'. The 'Query Result' tab is active, displaying the results of the query. The window title bar indicates 'All Rows Fetched: 5 in 0.004 seconds'. The results are presented in a table with a single column labeled 'JOB'. The rows are numbered 1 through 5, corresponding to the distinct job titles: CLERK, SALESMAN, PRESIDENT, MANAGER, and ANALYST.

	JOB
1	CLERK
2	SALESMAN
3	PRESIDENT
4	MANAGER
5	ANALYST