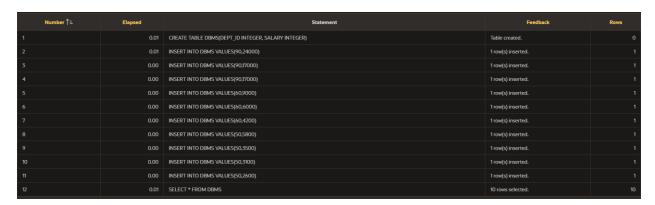
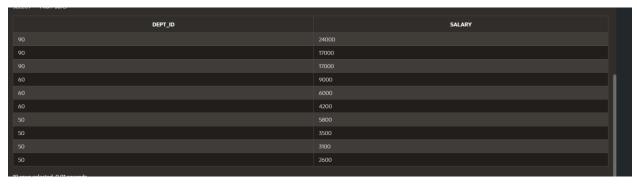
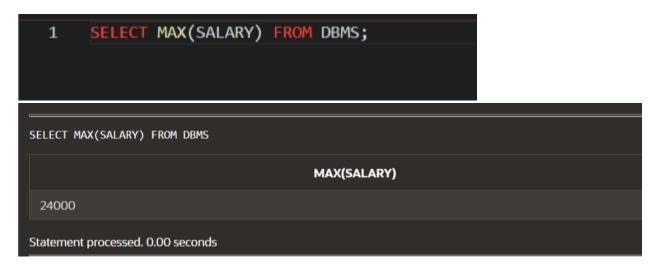
CREATE TABLE:





MAX



MIN





AVG:



SELECT AVG(SALA	RY) FROM DBMS		
		AVG(SALARY)	
9220			

COUNT:

```
SELECT COUNT(SALARY) FROM DBMS

COUNT(SALARY)

10
```

SUM:



VARIANCE:

SELECT VARIANCE(SALARY) FROM DBMS	
	VARIANCE(SALARY)
55646222.2222222222222222222222222222222	

GROUP FUNCTION:

SELECT ROUND(AVG(SALARY),2) FROM DBMS WHERE DEPT_ID=90	
ROUND(AVG(SALARY),2)	
19333.33	

MORE THAN ONE GROUP FUNCTION:

SELECT MAX(SALARY),MIN(SALARY),MIN(DEPT_ID) FROM DBMS WHERE DEPT_ID=60			
MAX(SALARY)	MIN(SALARY)	MIN(DEPT_ID)	
9000	4200	60	

DISTICNT VALUES:

SELECT DISTINCT DEPT_ID FROM DBMS	
	DEPT_ID
50	
90	
60	

NVL:



MAX USING GROUP BY:



GROUP BY IN SELECT:



HAVING:



ROLLUP RESULT:



CUBE:

SELECT DEPT_ID,SALARY,SUM(SALARY) FROM DBMS WHERE DEPT_ID>50 GROUP BY CUBE(DEPT_ID,SALARY)				
DEPT_ID		SALARY	SUM(SALARY)	
			77200	
	4200		4200	
	6000		6000	
	9000		9000	
	17000		34000	
	24000		24000	
			19200	
60	4200		4200	
	6000		6000	
60	9000		9000	
			58000	
90	17000		34000	
	24000		24000	

SETTING THE STAGE:

```
Q
                 A::
    CREATE TABLE A_TAB(A_ID INTEGER);
    CREATE TABLE B_TAB(B_ID INTEGER);
    INSERT INTO A TAB VALUES(1);
    INSERT INTO A_TAB VALUES(2);
    INSERT INTO A_TAB VALUES(3);
     INSERT INTO A_TAB VALUES(4);
     INSERT INTO A TAB VALUES(5);
     INSERT INTO B_TAB VALUES(4);
     INSERT INTO B_TAB VALUES(5);
    INSERT INTO B_TAB VALUES(6);
    INSERT INTO B TAB VALUES(7);
11
    INSERT INTO B_TAB VALUES(8);
12
```

UNION:

```
SELECT A_ID FROM A_TAB UNION SELECT B_ID FROM B_TAB

A_ID

1
2
3
4
5
6
7
8
8
8 rows selected, 0.00 seconds
```

UNION OF ALL:

SELECT A_ID FROM A_TAB UNION ALL SELECT B_ID FROM B_TAB	
	A_ID
1	
2	
3	
4	
5	
4	
5	
6	
7	
8	

INTERSECTION:

SELECT A_ID FROM A_TAB INTERSECT SELECT B_ID FROM B_TAB	
	A_ID
4	
5	

MINUS:

```
SELECT A_ID FROM A_TAB MINUS SELECT B_ID FROM B_TAB

A_ID

1
2
3
```

SUBQUERY:

```
SELECT A_ID FROM A_TAB WHERE A_ID<(SELECT B_ID FROM B_TAB WHERE B_ID=4)

A_ID

1
2
3
```

SUBQUERY NULL:

```
SELECT A_ID FROM A_TAB WHERE A_ID<(SELECT B_ID FROM B_TAB WHERE B_ID=9)

no data found

Statement processed. 0.01 seconds
```

NEW TABLE CREATION:

```
CREATE TABLE CLASS_TAB(ID_NUM INTEGER, FIRST_NAME CHAR(30));

INSERT INTO CLASS_TAB VALUES(1,'UDAY');

INSERT INTO CLASS_TAB VALUES(2,'UZHMAA');

INSERT INTO CLASS_TAB VALUES(3,'YOGI');

INSERT INTO CLASS_TAB VALUES(4,'FINGER');

INSERT INTO CLASS_TAB VALUES(5,'VARUN');

SELECT * FROM CLASS_TAB;
```

SAVEPOINTS:

```
INSERT INTO CLASS_TAB VALUES(6,'KID');

COMMIT;

UPDATE CLASS_TAB SET FIRST_NAME = 'ADA' WHERE ID_NUM=2;

SAVEPOINT A;

INSERT INTO CLASS_TAB VALUES(7,'ARYA STARK');

SAVEPOINT B;

INSERT INTO CLASS_TAB VALUES(8,'JON SNOW');

SAVEPOINT C;

SELECT * FROM CLASS_TAB;
```

ID_NUM	FIRST_NAME	
1	UDAY	
2	ADA	
3	YOGI	
4	FINGER	
5	VARUN	
6	KID	
7	ARYA STARK	
6	KID	
7	ARYA STARK	
8	JON SNOW	
30 cross selected 0.00 seconds		