

## Assignment 1:

CREATE DATABASE spj;

USE spj;

CREATE TABLE S(`S#` CHAR(5) NOT NULL , sname CHAR(20) , Status SMALLINT , City CHAR(15));

```
mysql> CREATE DATABASE spj;
Query OK, 1 row affected (0.01 sec)

mysql> USE spj;
Database changed
mysql> CREATE TABLE S(`S#` CHAR(5) NOT NULL , sname CHAR(20) , Status SMALLI
NT , City CHAR(15));
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> SELECT * FROM S;
+----+-----+-----+-----+
| S# | sname | Status | City |
+----+-----+-----+-----+
| s1 | datta | 20 | ich |
| S2 | AMIT | 30 | SATARA |
| S3 | jones | 40 | puna |
| S4 | blake | 20 | paris |
| S5 | adams | 30 | london |
+----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM P;
```

P#	Pname	Colour	Weight	city
p1	Nut	red	1	london
p2	bolt	green	17	paris
p3	Cam	blue	12	paris
p4	Cog	red	19	london
p5	Screw	blue	17	rom
p6	Screw	red	1	london

```
6 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM J;
```

j#	Jname	City
j1	Sorter	Paris
j2	Punch	Rome
j3	Reader	Athenes
j4	Console	Athenes
j5	Colletor	London
j6	Getor	Oslo

```
6 rows in set (0.00 sec)
```

```
mysql> select * from sp;
```

S#	P#	J#	QTY
S1	P1	J1	200
S2	P2	J2	300
S3	P3	J3	120
S4	P4	J4	100
S1	P3	J2	500
S2	P3	J2	200
S1	P1	J1	200
S2	P5	J5	600
S2	P3	J5	600
S2	P3	J4	500
S2	P3	J2	200
S2	P4	J6	400
S5	P4	J4	800
S4	P5	J5	400

```
14 rows in set (0.01 sec)
```

```
mysql> use classwork
Database changed
mysql> SELECT * FROM emp WHERE sal>2000;
```

empno	ename	job	mgr	hire	sal	comm	deptno
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20

```
6 rows in set (0.02 sec)
```

```
mysql> SELECT * FROM emp WHERE job="MANAGER" AND sal>2500;
```

empno	ename	job	mgr	hire	sal	comm	deptno
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30

```
2 rows in set (0.01 sec)
```

```
mysql> SELECT * FROM emp ORDER BY sal;
```

empno	ename	job	mgr	hire	sal	comm	deptno
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10

14 rows in set (0.00 sec)

```
mysql> SELECT * FROM emp ORDER BY sal DESC;SELECT * FROM emp WHERE deptno=10
ORDER BY sal DESC;
```

empno	ename	job	mgr	hire	sal	comm	deptno
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20

```
14 rows in set (0.00 sec)
```

```
mysql> SELECT ename,tal,dist FROM emps INNER JOIN addr ON emps.empno = addr.empno;
```

ename	tal	dist
Amit	Gad	Kolhapur
Rahul	Karad	Satara
Nilesh	Junnar	Pune
Nitin	Wai	Satara
Sarang	Karad	Satara

5 rows in set (0.01 sec)

```
mysql> SELECT empno,ename,tal,dist FROM emps INNER JOIN addr ON emps.empno = addr.empno;
```

ERROR 1052 (23000): Column 'empno' in field list is ambiguous

```
mysql> SELECT e.empno,ename,tal,dist FROM emps e
```

```
-> INNER JOIN addr a ON e.empno = a.empno
```

```
-> WHERE a.dist = "SATARA";
```

empno	ename	tal	dist
2	Rahul	Karad	Satara
4	Nitin	Wai	Satara
5	Sarang	Karad	Satara

```
mysql> select * from sp;
```

S#	P#	J#	QTY
S1	P1	J1	200
S2	P2	J2	300
S3	P3	J3	120
S4	P4	J4	100
S1	P3	J2	500
S2	P3	J2	200
S1	P1	J1	200
S2	P5	J5	600
S2	P3	J5	600
S2	P3	J4	500
S2	P3	J2	200
S2	P4	J6	400
S5	P4	J4	800
S4	P5	J5	400

14 rows in set (0.01 sec)