

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)

```