Lab 5: AllPairs

Student Name: Urvi Surti

Student ID: 8993413

Subject: Software Testing Methodologies (SENG8041)

Step 1 : Make a table in excel sheet

Screenshot for Courses.xlsx:

CASE	SUBJECTNAME	COURSE
1	Java	Quality Assurance
2	Java	Computer Applications
3	Python	Quality Assurance
4	Python	Computer Applications
5	SQL	Quality Assurance
6	SQL	Computer Applications
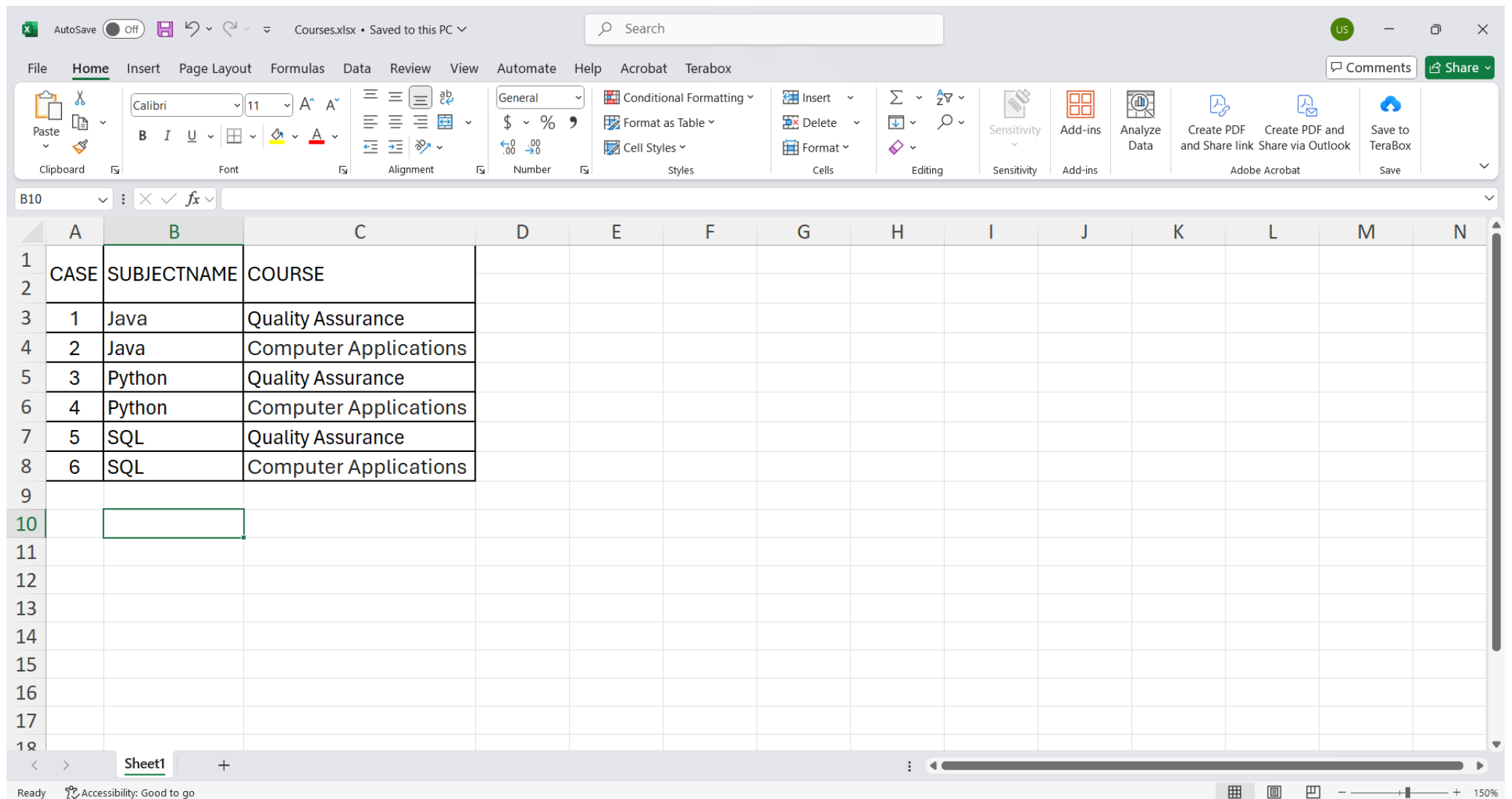
Step 2: Copy and paste all text from Courses.xlsx file to Courses.txt file

Screenshot for Courses.txt:

Step 3: Open Command Prompt and enter command "ALLPairs Courses.txt"

Screenshot for Command Prompt:

```
C:\STM\allpairs>ALLPAIRS Courses.txt

TEST CASES
case    CASE    SUBJECTNAME     COURSE  pairings
1       1       Java    Quality Assurance       3
2       1       Java    Computer Applications   3
3       1       Python  Quality Assurance       3
4       1       Python  Computer Applications   3
5       1       SQL     Quality Assurance       3
6       1       SQL     Computer Applications   3
7       2       Java    Computer Applications   3
8       2       Java    Quality Assurance       3
9       2       Python  Computer Applications   3
10      2       Python  Quality Assurance       3
11      2       SQL     Computer Applications   3
12      2       SQL     Quality Assurance       3
13      3       Java    Quality Assurance       3
14      3       Java    Computer Applications   3
15      3       Python  Quality Assurance       3
16      3       Python  Computer Applications   3
17      3       SQL     Quality Assurance       2
18      3       SQL     Computer Applications   2
19      4       Java    Computer Applications   3
20      4       Java    Quality Assurance       3
21      4       Python  Computer Applications   3
22      4       Python  Quality Assurance       3
23      4       SQL     Computer Applications   2
24      4       SQL     Quality Assurance       2
```
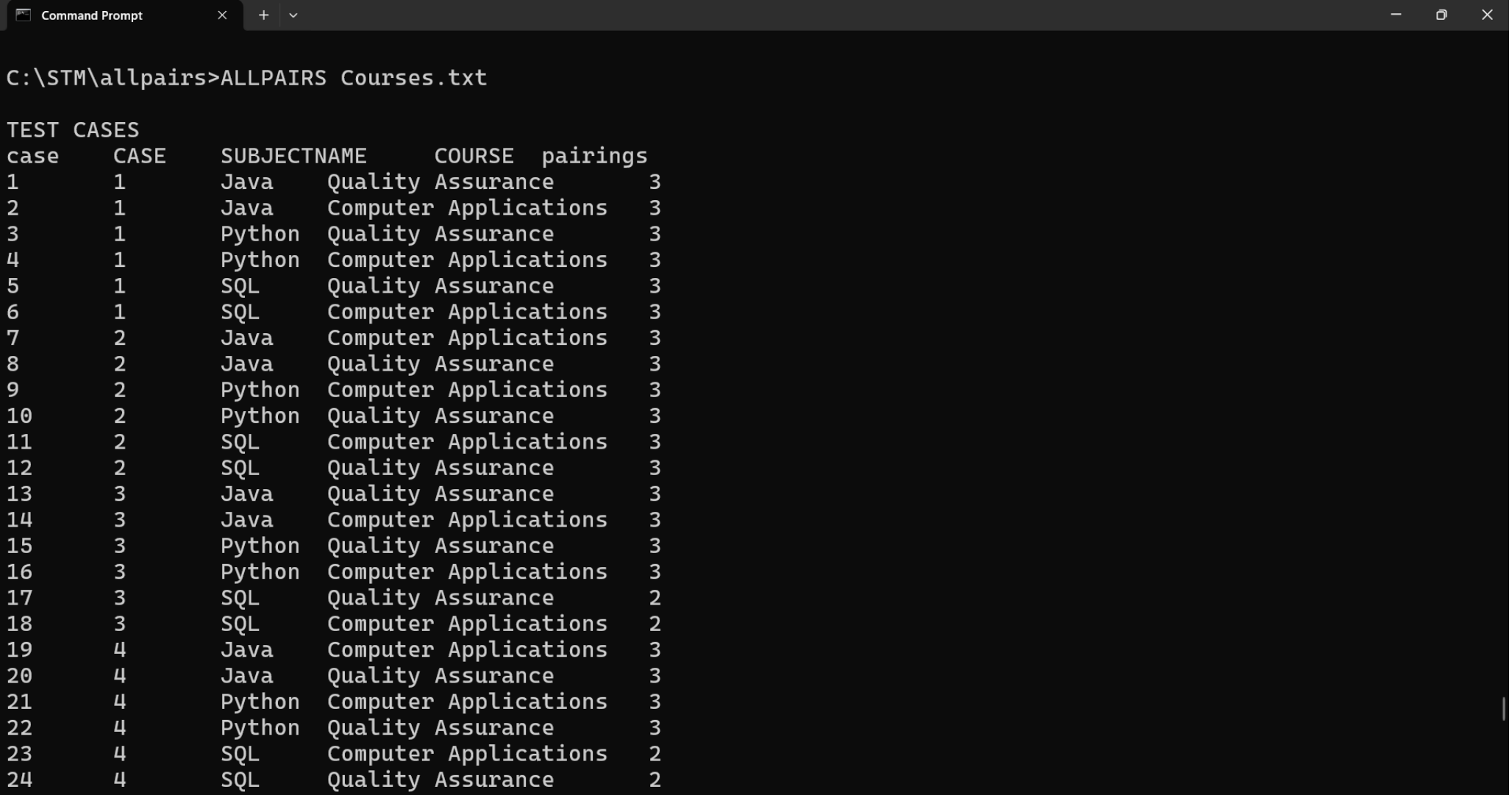
```
24      4       SQL     Quality Assurance       2
25      5       Java    Quality Assurance       3
26      5       Java    Computer Applications   3
27      5       Python  Quality Assurance       2
28      5       Python  Computer Applications   2
29      5       SQL     Quality Assurance       3
30      5       SQL     Computer Applications   3
31      6       Java    Computer Applications   3
32      6       Java    Quality Assurance       3
33      6       Python  Computer Applications   2
34      6       Python  Quality Assurance       2
35      6       SQL     Computer Applications   3
36      6       SQL     Quality Assurance       3
37      3       Python  Quality Assurance       2
38      3       Python  Computer Applications   2
39      4       Python  Computer Applications   2
40      4       Python  Quality Assurance       2

PAIRING DETAILS
var1    var2        value1  value2  appearances     cases
CASE    SUBJECTNAME     1       Java    1       1
CASE    SUBJECTNAME     1       Java    1       2
CASE    SUBJECTNAME     1       Python  1       3
CASE    SUBJECTNAME     1       Python  1       4
CASE    SUBJECTNAME     1       SQL     1       5
CASE    SUBJECTNAME     1       SQL     1       6
CASE    SUBJECTNAME     2       Java    1       7
CASE    SUBJECTNAME     2       Java    1       8
CASE    SUBJECTNAME     2       Python  1       9
CASE    SUBJECTNAME     2       Python  1       10
CASE    SUBJECTNAME     2       SQL     1       11
```

```
CASE    SUBJECTNAME     2       SQL     1       11
CASE    SUBJECTNAME     2       SQL     1       12
CASE    SUBJECTNAME     3       Java    1       13
CASE    SUBJECTNAME     3       Java    1       14
CASE    SUBJECTNAME     3       Python  2       15, 37
CASE    SUBJECTNAME     3       Python  2       16, 38
CASE    SUBJECTNAME     3       SQL     1       17
CASE    SUBJECTNAME     3       SQL     1       18
CASE    SUBJECTNAME     4       Java    1       19
CASE    SUBJECTNAME     4       Java    1       20
CASE    SUBJECTNAME     4       Python  2       21, 39
CASE    SUBJECTNAME     4       Python  2       22, 40
CASE    SUBJECTNAME     4       SQL     1       23
CASE    SUBJECTNAME     4       SQL     1       24
CASE    SUBJECTNAME     5       Java    1       25
CASE    SUBJECTNAME     5       Java    1       26
CASE    SUBJECTNAME     5       Python  1       27
CASE    SUBJECTNAME     5       Python  1       28
CASE    SUBJECTNAME     5       SQL     1       29
CASE    SUBJECTNAME     5       SQL     1       30
CASE    SUBJECTNAME     6       Java    1       31
CASE    SUBJECTNAME     6       Java    1       32
CASE    SUBJECTNAME     6       Python  1       33
CASE    SUBJECTNAME     6       Python  1       34
CASE    SUBJECTNAME     6       SQL     1       35
CASE    SUBJECTNAME     6       SQL     1       36
CASE    COURSE  1       Quality Assurance       1       1
CASE    COURSE  1       Computer Applications   1       2
CASE    COURSE  1       Quality Assurance       1       3
CASE    COURSE  1       Computer Applications   1       4
CASE    COURSE  1       Quality Assurance       1       5
```

```
CASE    COURSE  1       Quality Assurance       1       5
CASE    COURSE  1       Computer Applications   1       6
CASE    COURSE  2       Quality Assurance       1       8
CASE    COURSE  2       Computer Applications   1       7
CASE    COURSE  2       Quality Assurance       1       10
CASE    COURSE  2       Computer Applications   1       9
CASE    COURSE  2       Quality Assurance       1       12
CASE    COURSE  2       Computer Applications   1       11
CASE    COURSE  3       Quality Assurance       2       15, 17
CASE    COURSE  3       Computer Applications   2       16, 18
CASE    COURSE  3       Quality Assurance       1       13
CASE    COURSE  3       Computer Applications   1       14
CASE    COURSE  3       Quality Assurance       1       37
CASE    COURSE  3       Computer Applications   1       38
CASE    COURSE  4       Quality Assurance       2       22, 24
CASE    COURSE  4       Computer Applications   2       21, 23
CASE    COURSE  4       Quality Assurance       1       20
CASE    COURSE  4       Computer Applications   1       19
CASE    COURSE  4       Quality Assurance       1       40
CASE    COURSE  4       Computer Applications   1       39
CASE    COURSE  5       Quality Assurance       1       27
CASE    COURSE  5       Computer Applications   1       28
CASE    COURSE  5       Quality Assurance       1       29
CASE    COURSE  5       Computer Applications   1       30
CASE    COURSE  5       Quality Assurance       1       25
CASE    COURSE  5       Computer Applications   1       26
CASE    COURSE  6       Quality Assurance       1       34
CASE    COURSE  6       Computer Applications   1       33
CASE    COURSE  6       Quality Assurance       1       36
CASE    COURSE  6       Computer Applications   1       35
CASE    COURSE  6       Quality Assurance       1       32
```

```
CASE    COURSE  6       Quality Assurance       1       32
CASE    COURSE  6       Computer Applications   1       31
SUBJECTNAME     COURSE  Java    Quality Assurance       1       1
SUBJECTNAME     COURSE  Java    Computer Applications   1       7
SUBJECTNAME     COURSE  Java    Quality Assurance       1       13
SUBJECTNAME     COURSE  Java    Computer Applications   1       19
SUBJECTNAME     COURSE  Java    Quality Assurance       1       25
SUBJECTNAME     COURSE  Java    Computer Applications   1       31
SUBJECTNAME     COURSE  Java    Quality Assurance       1       8
SUBJECTNAME     COURSE  Java    Computer Applications   1       2
SUBJECTNAME     COURSE  Java    Quality Assurance       1       20
SUBJECTNAME     COURSE  Java    Computer Applications   1       14
SUBJECTNAME     COURSE  Java    Quality Assurance       1       32
SUBJECTNAME     COURSE  Java    Computer Applications   1       26
SUBJECTNAME     COURSE  Python  Quality Assurance       2       15, 27
SUBJECTNAME     COURSE  Python  Computer Applications   2       21, 33
SUBJECTNAME     COURSE  Python  Quality Assurance       1       3
SUBJECTNAME     COURSE  Python  Computer Applications   1       9
SUBJECTNAME     COURSE  Python  Quality Assurance       1       37
SUBJECTNAME     COURSE  Python  Computer Applications   1       39
SUBJECTNAME     COURSE  Python  Quality Assurance       2       22, 34
SUBJECTNAME     COURSE  Python  Computer Applications   2       16, 28
SUBJECTNAME     COURSE  Python  Quality Assurance       1       10
SUBJECTNAME     COURSE  Python  Computer Applications   1       4
SUBJECTNAME     COURSE  Python  Quality Assurance       1       40
SUBJECTNAME     COURSE  Python  Computer Applications   1       38
SUBJECTNAME     COURSE  SQL     Quality Assurance       1       17
SUBJECTNAME     COURSE  SQL     Computer Applications   1       23
SUBJECTNAME     COURSE  SQL     Quality Assurance       1       29
SUBJECTNAME     COURSE  SQL     Computer Applications   1       35
SUBJECTNAME     COURSE  SQL     Quality Assurance       1       5
```

```
SUBJECTNAME      COURSE   Java    Computer Applications    1       14
SUBJECTNAME      COURSE   Java    Quality Assurance        1       32
SUBJECTNAME      COURSE   Java    Computer Applications    1       26
SUBJECTNAME      COURSE   Python  Quality Assurance        2       15, 27
SUBJECTNAME      COURSE   Python  Computer Applications    2       21, 33
SUBJECTNAME      COURSE   Python  Quality Assurance        1       3
SUBJECTNAME      COURSE   Python  Computer Applications    1       9
SUBJECTNAME      COURSE   Python  Quality Assurance        1       37
SUBJECTNAME      COURSE   Python  Computer Applications    1       39
SUBJECTNAME      COURSE   Python  Quality Assurance        2       22, 34
SUBJECTNAME      COURSE   Python  Computer Applications    2       16, 28
SUBJECTNAME      COURSE   Python  Quality Assurance        1       10
SUBJECTNAME      COURSE   Python  Computer Applications    1       4
SUBJECTNAME      COURSE   Python  Quality Assurance        1       40
SUBJECTNAME      COURSE   Python  Computer Applications    1       38
SUBJECTNAME      COURSE   SQL     Quality Assurance        1       17
SUBJECTNAME      COURSE   SQL     Computer Applications    1       23
SUBJECTNAME      COURSE   SQL     Quality Assurance        1       29
SUBJECTNAME      COURSE   SQL     Computer Applications    1       35
SUBJECTNAME      COURSE   SQL     Quality Assurance        1       5
SUBJECTNAME      COURSE   SQL     Computer Applications    1       11
SUBJECTNAME      COURSE   SQL     Quality Assurance        1       24
SUBJECTNAME      COURSE   SQL     Computer Applications    1       18
SUBJECTNAME      COURSE   SQL     Quality Assurance        1       36
SUBJECTNAME      COURSE   SQL     Computer Applications    1       30
SUBJECTNAME      COURSE   SQL     Quality Assurance        1       12
SUBJECTNAME      COURSE   SQL     Computer Applications    1       6

C:\STM\allpairs>
```