```
[1] "H:/MSc Data Science/CMM535 - Data Science Development/Week 1 - 20200128"

[1] 1 2 3 4 5

 [1]  1  2  3  4  5  6  7  8  9 10

[1] 1 3 5 7 9

[1] "e" "s"

[1]  0.0  2.5  5.0  7.5 10.0

[1] "numeric"

[1] 5

[1] "character"

[1] "numeric"

 [1]  TRUE  TRUE  TRUE  TRUE  TRUE FALSE FALSE FALSE FALSE FALSE

[1] FALSE FALSE FALSE FALSE FALSE

 [1]  2  4  6  8 10 12 14 16 18 20

 [1]  10  20  30  40  50  60  70  80  90 100

     [,1] [,2] [,3] [,4]
[1,]    1    5    9   13
[2,]    2    6   10   14
[3,]    3    7   11   15
[4,]    4    8   12   16

[1] 5

[1] 14

[1] 4 4

[1] 34

      [,1] [,2] [,3] [,4]
 [1,]    1   11   21   31
 [2,]    2   12   22   32
 [3,]    3   13   23   33
 [4,]    4   14   24   34
 [5,]    5   15   25   35
 [6,]    6   16   26   36
 [7,]    7   17   27   37
 [8,]    8   18   28   38
 [9,]    9   19   29   39
[10,]   10   20   30   40
```

```
      [,1] [,2] [,3]
 [1,]    1   11   31
 [2,]    3   13   33
 [3,]    4   14   34
 [4,]    5   15   35
 [5,]    6   16   36
 [6,]    7   17   37
 [7,]    8   18   38
 [8,]    9   19   39
 [9,]   10   20   40

[1]  7  8  9 10

[1]  2.5  6.5 10.5 14.5

 student_id student_name      student_grades
          1          St1           Excellent
          2          St2                Good
          3          St3                 Bad
          4          St4          Really Bad
          5          St5 Really Really Bad

[1] "student_id"     "student_name"   "student_grades"

  student_id student_name      student_grades
1          1          St1           Excellent
2          2          St2                Good
3          3          St3                 Bad
4          4          St4          Really Bad
5          5          St5 Really Really Bad

  student_id      student_grades
1          1           Excellent
2          2                Good
3          3                 Bad
4          4          Really Bad
5          5 Really Really Bad

  student_id student_name student_grades
3          3          St3            Bad

  student_id student_name      student_grades      gpa
1          1          St1           Excellent 67.59336
2          2          St2                Good 63.81619
3          3          St3                 Bad 56.60937
4          4          St4          Really Bad 64.18825
5          5          St5 Really Really Bad 50.32419
```

2

```
 student_id student_name     student_grades      gpa
          1          St1          Excellent 67.59336
          2          St2               Good 63.81619
          3          St3                Bad 56.60937
          4          St4         Really Bad 64.18825
          5          St5 Really Really Bad 50.32419

Average GPA is:          60.50627

Min GPA is:          50.32419

Max GPA is:          67.59336

 student_id student_name student_grades      gpa
          1          St1           Good 67.59336
          2          St2           Good 63.81619
          3          St3           Good 56.60937
          4          St4           Good 64.18825
          5          St5           Good 50.32419

 student_id student_name     student_grades      gpa
          1          St1          Excellent 67.59336
          2          St2               Good 63.81619
          3          St3                Bad 56.60937
          4          St4         Really Bad 64.18825
          5          St5 Really Really Bad 50.32419

[1] 42.83701

[1] 38.5478

 [1] 44.67955 62.81181 73.19503 27.46710 12.75139 16.51490 20.12667 78.84472
 [9] 59.56288 32.41605

 [1] 44.68 62.81 73.20 27.47 12.75 16.51 20.13 78.84 59.56 32.42

> plot(myNumbers,squaredX,type='b',xlab = 'mynumbers', ylab = 'x*x', frame=FALSE,col='blue')
>
```