Scilab 6.1.0 Console

File Edit Control Applications ?

Scilab 6.1.0 Console

```
--> A = ones(2, 2)
 A  =

   1.    1.
   1.    1.

--> B = [2 3; 4 5]
 B  =

   2.    3.
   4.    5.

--> C = addition(2, 2, A, B)

  "First matrix is"

   1.    1.
   1.    1.

  "Second matrix is"

   2.    3.
   4.    5.

  "Sum of matrices is"
 C  =

   3.    4.
   5.    6.

-->
```

Scilab 6.1.0 Console

File Edit Control Applications ?

Scilab 6.1.0 Console

```
--> exec('C:\Users\DELL\Desktop\MatrixAddition.sce', -1)
Enter no. of rows 3

Enter no. of columns 2


  "Enter elements of first matrix row wise "
--> 1

--> 2

--> 3

--> 4

--> 5

--> 6


  "Enter elements of second matrix row wise "
--> 7

--> 8

--> 9

--> 10

--> 11

--> 12

  "First Matrix is "

   1.    2.
   3.    4.
   5.    6.

  "Second Matrix is "

   7.    8.
   9.    10.
   11.   12.

  "Sum of the matrices is "

   8.    10.
   12.   14.
   16.   18.
```

Scilab 6.1.0 Console

File Edit Control Applications ?

Scilab 6.1.0 Console

```
--> exec('C:\Users\DELL\Desktop\addition.sce', -1)

--> C = addition(2, 2, [1 2; 3 4], [5 6; 7 8])

  "First matrix is"

   1.    2.
   3.    4.

  "Second matrix is"

   5.    6.
   7.    8.

  "Sum of matrices is"
 C  =

   6.    8.
   10.   12.
```

Scilab 6.1.0 Console

File Edit Control Applications ?

Scilab 6.1.0 Console

```
--> exec('C:\Users\DELL\Desktop\MatrixTranspose.sce', -1)
Enter no. of rows of matrix 2

Enter no. of columns of matrix 3


  "Enter elements of matrix row wise "
--> 1

--> 2

--> 3

--> 4

--> 5

--> 6


  "The Matrix is "

   1.    2.    3.
   4.    5.    6.

  "The Transposed matrix is "

   1.    4.    0.
   2.    5.    0.
   3.    6.    0.

-->
```

Scilab 6.1.0 Console

File Edit Control Applications ?

Scilab 6.1.0 Console

```
--> exec('C:\Users\DELL\Desktop\transpose.sce', -1)

--> B = transpose(2, 2, [1 2; 5 6])

  "The marix is "

   1.    2.
   5.    6.

  "Transposed matrix is "
 B  =

   1.    5.
   2.    6.

--> A = [1 2 3; 4 5 6]
 A  =

   1.    2.    3.
   4.    5.    6.

--> B = transpose(2, 3, A)

  "The marix is "

   1.    2.    3.
   4.    5.    6.

  "Transposed matrix is "
 B  =

   1.    4.
   2.    5.
   3.    6.

-->
```

Scilab 6.1.0 Console

File Edit Control Applications ?

Scilab 6.1.0 Console

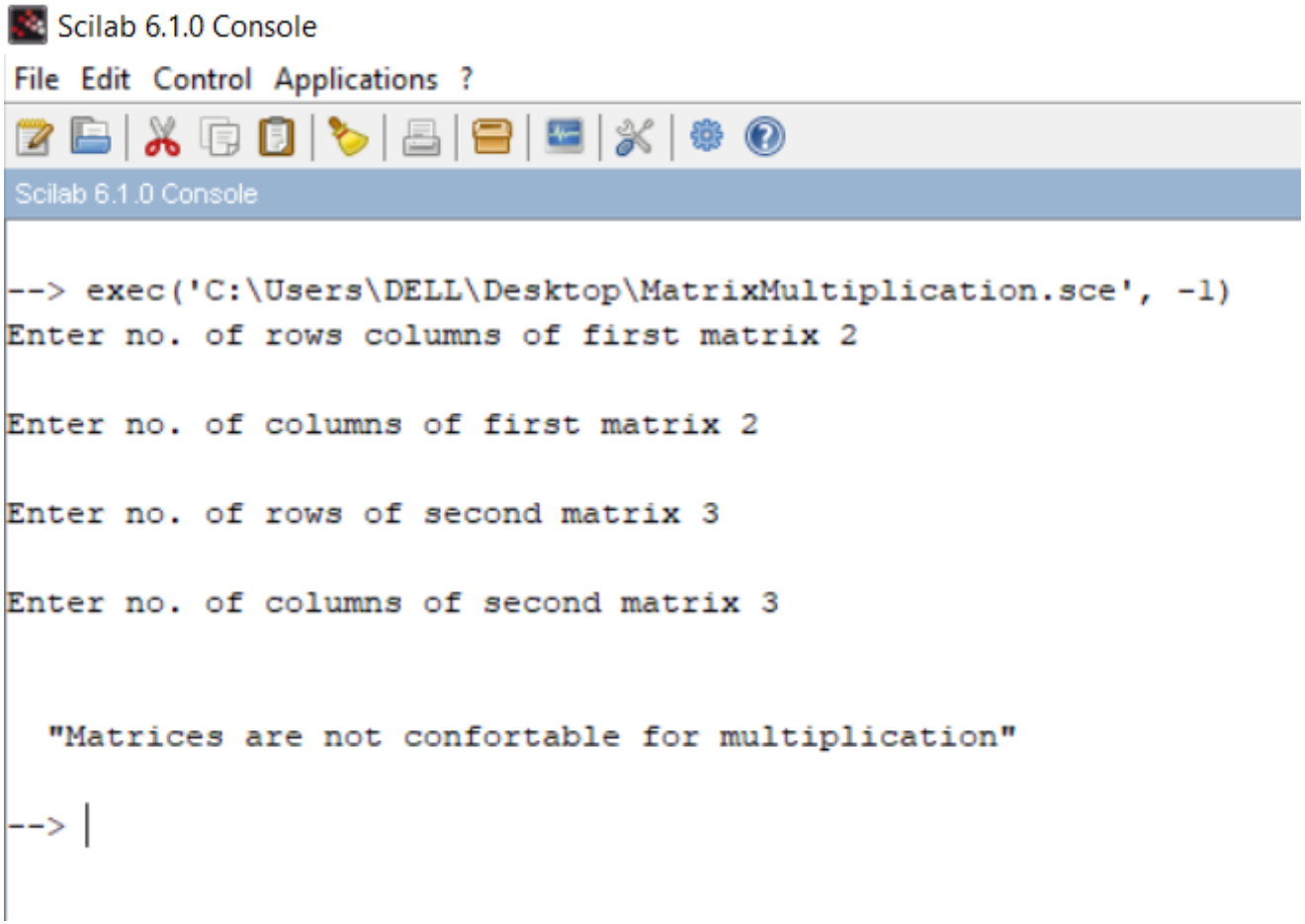
```
--> exec('C:\Users\DELL\Desktop\multiplication.sce', -1)

--> C = multiplication(2, 3, 3, 2, [1 5 4; -1 5 9], [2 5; 1 2; 7 8])

  "Matrices are confortable for multiplication"

  "First Matrix is "

   1.    5.    4.
  -1.    5.    9.

  "Second Matrix is "

   2.    5.
   1.    2.
   7.    8.

  "Product of the matrices is "
 C  =

   35.    47.
   66.    77.

--> C = multiplication(2, 3, 2, 2, [1 5 4; -1 5 9], [2 5; 1 2])

  "Matrices are not confortable for multiplication"

-->
```

Scilab 6.1.0 Console

File Edit Control Applications ?

Scilab 6.1.0 Console

```
--> exec('C:\Users\DELL\Desktop\MatrixMultiplication.sce', -1)
Enter no. of rows columns of first matrix 2

Enter no. of columns of first matrix 2

Enter no. of rows of second matrix 2

Enter no. of columns of second matrix 2


  "Matrices are confortable for multiplication"

  "Enter elements of first matrix row wise "
--> 4

--> 5

--> 2

--> 2


  "Enter elements of second matrix row wise "
--> 1

--> 6

--> 5

--> 4


  "First Matrix is "

   4.    5.
   2.    2.

  "Second Matrix is "

   1.    6.
   5.    4.

  "Product of the matrices is "

   24.    50.
   12.    20.
```


Scilab 6.1.0 Console
File Edit Control Applications ?
Scilab 6.1.0 Console
--> exec('C:\Users\DELL\Desktop\MatrixMultiplication.sce', -1)
Enter no. of rows columns of first matrix 2
Enter no. of columns of first matrix 2
Enter no. of rows of second matrix 3
Enter no. of columns of second matrix 3
"Matrices are not confortable for multiplication"
-->