



```
C:\Command Prompt
C:\Users\Debby\Documents\cpp\MatrixMult>u
Enter rows of matrix : 3
Enter columns of matrix : 4
Enter matrix A (3x4):
Element [0][0]: 1
Element [0][1]: 2
Element [0][2]: 3
Element [0][3]: 4
Element [1][0]: 5
Element [1][1]: 6
Element [1][2]: 7
Element [1][3]: 8
Element [2][0]: 9
Element [2][1]: 7
Element [2][2]: 2
Element [2][3]: 2

Enter matrix B (4x3):
Element [0][0]: 1
Element [1][0]: 3
Element [2][0]: 4
Element [0][1]: 5
Element [1][1]: 6
Element [2][1]: 7
Element [0][2]: 1
Element [1][2]: 2
Element [2][2]: 4
Element [0][3]: 6
Element [1][3]: 7
Element [2][3]: 8

Matrix A
1 2 3 4
5 6 7 8
9 7 2 2

Matrix B
1 3 4
5 6 7
1 2 4
6 7 8

Matrix Multiplication
38 49 62
```

C:\Command Prompt

```
Enter matrix A (3x4):
Element [0][0]: 1
Element [0][1]: 2
Element [0][2]: 3
Element [0][3]: 4
Element [1][0]: 5
Element [1][1]: 6
Element [1][2]: 7
Element [1][3]: 8
Element [2][0]: 9
Element [2][1]: 7
Element [2][2]: 2
Element [2][3]: 2
```

```
Enter matrix B (4x3):
Element [0][0]: 1
Element [1][0]: 3
Element [2][0]: 4
Element [0][1]: 5
Element [1][1]: 6
Element [2][1]: 7
Element [0][2]: 1
Element [1][2]: 2
Element [2][2]: 4
Element [0][3]: 6
Element [1][3]: 7
Element [2][3]: 8
```

```
Matrix A
1 2 3 4
5 6 7 8
9 7 2 2
```

```
Matrix B
1 3 4
5 6 7
1 2 4
6 7 8
```

```
Matrix Multiplication
38 49 62
90 121 154
58 87 109
```

Then the 3&4 picture shows the code that was already compiled it into command prompt.

Matrix A $\begin{pmatrix} 1 & 2 & 3 & 4 \\ 5 & 6 & 7 & 8 \\ 9 & 7 & 2 & 2 \end{pmatrix}$

matrix multiplication:

Matrix B $\begin{pmatrix} 1 & 3 & 4 \\ 5 & 6 & 7 \\ 1 & 2 & 4 \\ 6 & 7 & 8 \end{pmatrix}$

$\begin{pmatrix} 38 & 49 & 62 \\ 90 & 121 & 154 \\ 58 & 87 & 109 \end{pmatrix}$