## Test 1

```cpp
int testArray[ROWS][COLS] =
        { { 1,    2,   3,   4,   5 },
          {   6,   7,   8,   9, 10 },
          {  11,  12, 13, 14, 15 },
          {  16,  17, 18, 19, 20 } };
```

```
> ls
260_assign1.cpp  a.out
> g++ 260_assign1.cpp
> ./a.out
The total of the array elements is 210
The average value of an element is 10.5
The total of row 0 is 15
The total of col 2 is 42
The highest value in row 2 is 15
The lowest value in row 2 is 11
sh: PAUSE: command not found
  ~/p/CO/assignmnet1                    ✔ ‹ system ⌂
```

## Test 2

```cpp
    int testArray[ROWS][COLS] =
            {{ 24,    3,   3,   4,   5 },
             {   6,   7, 28, 21, 10 },
             {  45,  73, 13, 14, 15 },
             {  16,  17, 91,  6, 20 }};

    cout << "The total of the array elements is "
         << getTotal(testArray, ROWS)
         << endl;
```

```
> g++ 260_assign1.cpp
> ./a.out
The total of the array elements is 421
The average value of an element is 21.05
The total of row 0 is 39
The total of col 2 is 135
The highest value in row 2 is 73
The lowest value in row 2 is 13
sh: PAUSE: command not found
  ~/p/CO/assignmnet1                    ✔ ‹ system ⌂
```

## Test 3

```cpp
const int ROWS = 4;


int testArray[ROWS][COLS] =
        {{ 24,    3,   8,   9,   5 },
         {   6,   7, 28, 21, 10 },
         {  45,  12, 13, 789, 15 },
         {  16,  785920, 91,  6, 20 }};


cout << "The total of the array elements is "
```

```
> g++ 260_assign1.cpp
> ./a.out
The total of the array elements is 787048
The average value of an element is 39352.4
The total of row 0 is 49
The total of col 2 is 140
The highest value in row 2 is 789
The lowest value in row 2 is 12
sh: PAUSE: command not found
  ~/p/CO/assignmnet1                    ✔ ‹ system ⌂
```

## Test 4

```cpp
int testArray[ROWS][COLS] =
        {{ 24,    3,   8,   650,   5 },
         {  6,    7, 28, 21, 10 },
         { 45,  9999, 99999, 789, 27 }
         { 16,  999, 91,   6, 20 }};
```

```
❯ g++ 260_assign1.cpp
❯ ./a.out
The total of the array elements is 112753
The average value of an element is 5637.65
The total of row 0 is 690
The total of col 2 is 100126
The highest value in row 2 is 99999
The lowest value in row 2 is 27
sh: PAUSE: command not found
~/p/CO/assignmnet1        ✔ ‹ system ⌂
```

## Test 5

```cpp
int testArray[ROWS][COLS] =
        {{ 24,    3,   8,   720,   5 },
         {  6,    7, 28, 21, 10 },
         { 45,  9999, 98989, 210030392, 2 },
         { 16,  999, 91,   6, 25 }};
```

```
❯ g++ 260_assign1.cpp
❯ ./a.out
The total of the array elements is 210141396
The average value of an element is 1.05071e+07
The total of row 0 is 760
The total of col 2 is 99116
The highest value in row 2 is 210030392
The lowest value in row 2 is 2
sh: PAUSE: command not found
~/p/CO/assignmnet1        ✔ ‹ system ⌂
```