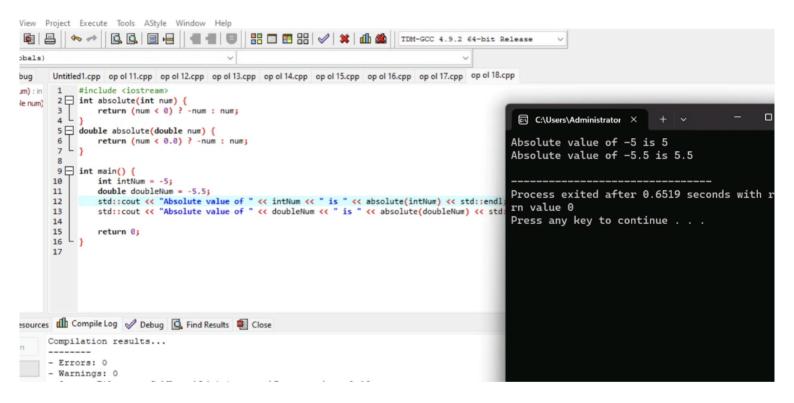
```
als)
    Untitled1.cpp op ol 11.cpp
ıg
                                                                                  C:\Users\Administrator\Doc X
     1 #include <iostream>
          using namespace std;
                                                                                Max of integers: 20
Max of floats: 20.5
     3 ☐ int max(int a, int b) {
    4 L }
             return (a > b) ? a : b;
r b):
                                                                                 Max of characters: b
      6 ☐ float max(float a, float b) {
     7 7 }
            return (a > b) ? a : b;
                                                                                 Process exited after 0.6368 seconds with return
     9 ☐ char max(char a, char b) {
                                                                                 value 0
    10 [
                                                                                 Press any key to continue . . .
              return (a > b) ? a : b;
    12 ☐ int main() {
    13
             int int1 = 10, int2 = 20;
    14
              float float1 = 10.5, float2 = 20.5;
              char char1 = 'a', char2 = 'b';
cout << "Max of integers: " << max(int1, int2) << end1;
cout << "Max of floats: " << max(float1, float2) << end1;</pre>
    15
    16
    17
             cout << "Max of characters: " << max(char1, char2) << endl;
    18
    19
              return 0:
ources 🅼 Compile Log 🥒 Debug 🗓 Find Results 🐉 Close
    Compilation results...
ths - Output Filename: C:\Users\Administrator\Documents\op ol 11.exe
```

```
Untitled1.cpp op ol 11.cpp op ol 12.cpp op ol 13.cpp op ol 14.cpp op ol 15.cpp op ol 16.cpp op ol 17.cp
                                                                                                C:\Users\Administrator\Dc X
  1 #include <iostream>
        #include <cmath>
                                                                                              2 raised to the power of 3 is 8 2.5 raised to the power of 3.5 is 24.7053
   3 ☐ int power(int base, int exponent) {
   4 [ }
            return static_cast<int>(std::pow(base, exponent));
   6 ☐ double power(double base, double exponent) {
7 | return std::pow(base, exponent);
   7 7 }
                                                                                              Process exited after 0.4311 seconds with return
                                                                                               value 0
  10 ☐ int main() {
                                                                                              Press any key to continue . . .
            int intBase = 2, intExponent = 3;
  11
            double doubleBase = 2.5, doubleExponent = 3.5;

std::cout << intBase << " raised to the power of " << intExponent << " is " <

std::cout << doubleBase << " raised to the power of " << doubleExponent << "
  12
  13
  14
  15
  16
            return 0;
  17 L }
  18
es 🖺 Compile Log 🥒 Debug 🗓 Find Results 🍇 Close
 Compilation results...
 - Errors: 0
```



```
C:\Users\Administrator\Docui ×
                                                                                                         Sorted integer array: 1 2 3 5 8
   Untitled1.cpp op ol 11.cpp op ol 12.cpp op ol 13.cpp op ol 14.cpp op ol 15
                                                                                                         Sorted double array: 1.1 2.2 3.3 5.5 8.8
    #include <iostream>
#include <algorithm>
using namespace std;
   using namespace stu,

void sortArray(int arr[], int size) {
    std::sort(arr, arr + size);
}
                                                                                                         Process exited after 0.4714 seconds with return value 0
   void sortArray(double arr[], int size) {
    std::sort(arr, arr + size);
}

                                                                                                         Press any key to continue . . .
   template<typename T>
template<typename T>
tooid printArray(T arr[], int size) {
    for (int i = 0; i < size; i++) {
        std::cout << arr[i] << " ";
        }
        std::cout << std::endl;
}
</pre>
   int main() {
    int intarr[] = {5, 3, 8, 2, 1};
    double doubleArr[] = {5.5, 3.3, 8.8, 2.2, 1.1};
    int intsize = sizeof(intArr) / sizeof(int);
    int doubleSize = sizeof(doubleArr) / sizeof(double);
    sortArray(intArr, intSize);
    std::cout << "Sorted integer array: ";</pre>
    19
es 🌓 Compile Log 🥒 Debug 🗓 Find Results 🍇 Close
  Compilation results...
  - Errors: 0
  - Warnings: 0
```

```
iew Project Execute Tools AStyle Window Help
oals)
ug Untitled1.cpp op ol 11.cpp op ol 12.cpp op ol 13.cpp op ol 14.cpp op ol 15.cpp
#include <iostream>
using namespace std;
int factorial(int n) {
    if (n == 0 || n == 1) {
        return 1;
    } else {
        return n * factorial(
        if (n == 0.0 || n == 1.8)
        return 1.8;
    }
}
                                                                                                                             C:\Users\Administrator\Docu ×
                      return n * factorial(n - 1);
                                                                                                                           Factorial of 5 is 120
                  if (n == 0.0 || n == 1.0) {
return 1.0;
                                                                                                                           Process exited after 3.572 seconds with re
                  return 1.0;
) else {
    return n * factorial(n - 1.0);
       13
14
                                                                                                                           ue 3221225725
       14
15
16 }
                                                                                                                           Press any key to continue . . .
       17
       18 = int main() {
                  int intNum = 5:
       19
                  double doubleNum = 5.5;

std::cout << "Factorial of " << intNum << " is " << factorial(intNum) << std::endl;

std::cout << "Factorial of " << doubleNum << " is " << factorial(doubleNum) << std::endl;
       21
       22
23
       24 25 }
                  return 0;
ources 🌓 Compile Log 🤣 Debug 🗓 Find Results 🐉 Close
      Compilation results...
- Errors: 0
     - Warnings: 0
ths - Output Filename: C:\Users\Administrator\Documents\op ol 15.exe
- Output Size: 1.83316707611084 MiB
```

```
.5)
    Untitled1.cpp op ol 11.cpp op ol 12.cpp op ol 13.cpp op ol 14.
                                                                   C:\Users\Administrator\Docu X
          #include <iostream>
     1
          using namespace std;
    using namespace sto;
all void printArray(int arr[], int size) {
    cout << "Integer Array:";
    for (int i = 0; i < size; i++) {
        cout << " " << arr[i];
}</pre>
                                                                 Integer Array: 1 2 3 4 5
arr
                                                                 Double Array: 1.1 2.2 3.3 4.4 5.5
.0.
     67 8 9
                                                                 Character Array: a b c d e
              cout << endl;
    void printArray(double arr[], int size) {
cout << "Double Array:";
for (int i = 0; i < size; i++) {</pre>
                                                                 Process exited after 0.5229 seconds with return value 0
              cout << "Double Array:";
for (int i = 0; i < size; i++) {
    cout << " " << arr[i];
}
                                                                 Press any key to continue . . .
    13
14
15
16 }
              cout << endl;
    cout << "Character Array:";
for (int i = 0; i < size; i++) {
    cout << " " << arr[i];</pre>
    20
    20
21
22
23
}
              cout << endl:
    24
25 int main() {
26 int intAr
              int intArr[] = {1, 2, 3, 4, 5};
rces Compile Log 🖉 Debug 🗓 Find Results 🍇 Close
   Compilation results...
  - Errors: 0
  - Warnings: 0
- Output Filename: C:\Users\Administrator\Docu
  - Output Size: 1.83321285247803 MiB
- Compilation Time: 1.73s
```

```
□ ($\display \rightarrow \big| \big
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     © C:\Users\Administrator\Dc ×
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sum of matrices:
                          Untitled1.cpp op ol 11.cpp op ol 12.cpp op ol 13.cpp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8 10 12
                                                                 #include <iostream>
                                                                    using namespace std;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14 16 18
                                                                   const int ROWS = 2;
const int COLS = 3;
                    const int ROWS = 2;
const int COLS = 3;

void printMatrix(int matrix[ROWS][COLS]) {
    for (int i = 0; i < ROWS; i++) {
        std::cout << matrix[i][j] << " ";
    }

    void sum(int matrix1[ROWS][COLS], int matrix2[ROWS][COLS], int result[ROWS][COLS]) {
    for (int i = 0; i < ROWS; i++) {
        for (int j = 0; j < COLS; j++) {
            result[i][j] = matrix1[i][j];
        }
    void sum(int arr1[], int arr2[], int result[], int size) {
        for (int i = 0; i < size; i++) {
            result[i] = arr1[i] + arr2[i];
        }
    }
}

const int ROWS = 2;
const 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sum of arrays: 5 7 9
N:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Process exited after 1.443 seconds with retu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         value 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Press any key to continue . . .
                          26 | int main() {
ces 🌓 Compile Log 🤣 Debug 🗓 Find Results 🐉 Close
                 Compilation results...
```

