

```
1  #include <iostream>
2  using namespace std;
3  int gcd(int a, int b)
4  {
5      int temp;
6      do
7      {
8          temp = a % b;
9          a = b;
10         b = temp;
11     } while (b != 0);
12     return a;
13 }
14 int main()
15 {
16     int num1, num2;
17     cout << "Enter the first integer: ";
18     cin >> num1;
19     cout << "Enter the second integer: ";
20     cin >> num2;
```

About Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\gcd do while loop.exe
- Output Size: 1.83265113830566 MiB
- Compilation Time: 4.53s
```

Select C:\Users\abhigna\Documents\gcd do while loop.exe

```
Enter the first integer: 6
Enter the second integer: 8
GCD of 6 and 8 is: 2
```

```
-----
Process exited after 8.616 seconds with return value 0
Press any key to continue . . .
```

C:\Users\abhigna\Documents\matrix.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug avg of three integers.cpp prime.cpp second largest element.cpp greater number.cpp gcd do while loop.cpp matrix.c

```
1 #include <iostream>
2 using namespace std;
3 class Matrix
4 {
5 private:
6     int rows;
7     int cols;
8     int** data;
9 public:
10    Matrix(int numRows, int numCols) : rows(numRows), cols(numCols)
11    {
12        data = new int*[rows];
13        for (int i = 0; i < rows; ++i)
14        {
15            data[i] = new int[cols];
16        }
17        for (int i = 0; i < rows; ++i)
18        {
19            for (int j = 0; j < cols; ++j)
```

C:\Users\abhigna\Documents\matrix.exe

```
1 2 0 0
0 3 0 0
0 0 0 4

-----
Process exited after 0.5042 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\matrix.exe
- Output Size: 1.83446311950684 MiB
- Compilation Time: 2.22s
```

Line: 68 Col: 15 Sel: 0 Lines: 76 Length: 1581 Insert Done parsing in 0.063 seconds

Type here to search

29°C Partly sunny 11:26 27-02-2024

C:\Users\abhigna\Documents\greater number.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug avg of three integers.cpp prime.cpp second largest element.cpp greater number.cpp gcd do while loop.cpp matrix.cpp +.cpp rect const and destr.cpp

```
1  #include <iostream>
2  using namespace std;
3  int main()
4  {
5      int num1, num2;
6      cout << "Enter the first integer: ";
7      cin >> num1;
8      cout << "Enter the second integer: ";
9      cin >> num2;
10     int greaterNumber = (num1 > num2) ? num1 : num2;
11     if (num1 == num2)
12     {
13         cout << "Both numbers are equal." << endl;
14     } else
15     {
16         cout << "The greater number is: " << greaterNumber << endl;
17     }
18     return 0;
19 }
20
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\greater number.exe
- Output Size: 1.83260917663574 MiB
- Compilation Time: 6.08s
```

Select C:\Users\abhigna\Documents\greater number.exe

```
Enter the first integer: 3
Enter the second integer: 9
The greater number is: 9
```

```
-----
Process exited after 3.696 seconds with return value 0
Press any key to continue . . .
```

Line: 18 Col: 1 Sel: 0 Lines: 20 Length: 453 Insert Done parsing in 0.063 seconds



Type here to search



29°C Partly sunny



11:25
27-02-2024



C:\Users\abhigna\Documents\+.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug avg of three integers.cpp prime.cpp second largest element.cpp greater number.cpp gcd

```
1 #include <iostream>
2 using namespace std;
3 class MyNumber
4 {
5 private:
6     int value;
7 public:
8     MyNumber(int val) : value(val) {}
9     MyNumber operator+(const MyNumber& other) const
10    {
11        return MyNumber(value + other.value);
12    }
13    int getValue() const
14    {
15        return value;
16    }
17 };
18 int main()
19 {
20     MyNumber num1(5);
```

C:\Users\abhigna\Documents\+.exe

```
Value of num1: 5
Value of num2: 3
Result of addition: 8

-----
Process exited after 0.3767 seconds with return value 0
Press any key to continue .
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\+.exe
- Output Size: 1.83375549316406 MiB
- Compilation Time: 1.94s
```

Line: 25 Col: 60 Sel: 0 Lines: 28 Length: 616 Insert Done parsing in 0.063 seconds

Windows taskbar: Type here to search, 11:27 27-02-2024

C:\Users\abhigna\Documents\rect const and destr.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug avg of three integers.cpp prime.cpp second largest element.cpp greater number.cpp gcd do while loop

```
1  #include <iostream>
2  using namespace std;
3  class Rectangle
4  {
5  private:
6      float length;
7      float width;
8  public:
9      // Constructor
10     Rectangle(float l, float w) : length(l), width(w)
11     {
12         cout << "Rectangle object created." << endl;
13     }
14     // Destructor
15     ~Rectangle()
16     {
17         cout << "Rectangle object destroyed." << endl;
18     }
19     double area() const
20     {
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\rect const and destr.exe
- Output Size: 1.83400630950928 MiB
- Compilation Time: 1.75s
```

Line: 17 Col: 50 Sel: 0 Lines: 35 Length: 714 Insert Done parsing in 0.031 seconds

Type here to search



Near record



ENG

11:27
27-02-2024



C:\Users\abhigna\Documents\rect const and destr.exe

```
Rectangle object created.
Area of rectangle: 15
Perimeter of rectangle: 16
Rectangle object destroyed.
```

```
-----
Process exited after 0.5069 seconds with return value 0
Press any key to continue . . .
```

C:\Users\abhigna\Documents\prime.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug avg of three integers.cpp prime.cpp second largest element.cpp greater nu

```
1 #include<iostream>
2 #include<cmath>
3 using namespace std;
4 bool isprime(int num)
5 {
6     if(num<=1)
7     {
8         return false;
9     }
10    for(int i=2;i<=sqrt(num);i++)
11    {
12        if(num%i==0)
13        {
14            return false;
15        }
16    }
17    return true;
18 }
19 int main()
20 {
```

Select C:\Users\abhigna\Documents\prime.exe

enter the number:7
the number is prime.

Process exited after 2.459 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\prime.exe
- Output Size: 1.83759021759033 MiB
- Compilation Time: 1.92s

Line: 33 Col: 2 Sel: 0 Lines: 33 Length: 431 Insert Done parsing in 0.063 seconds

Type here to search

26°C Partly sunny 11:24 27-02-2024

C:\Users\abhigna\Documents\second largest element.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug avg of three integers.cpp prime.cpp second largest element.cpp greater number.cpp gcc C:\Users\abhigna\Documents\second largest element.exe

```
1  #include <iostream>
2  using namespace std;
3  int main()
4  {
5      int n, num[50], largest, second;
6      cout<<"Enter number of elements: ";
7      cin>>n;
8      for(int i=0; i<n; i++)
9      {
10         cout<<"Enter Array Element"<<(i+1)<<": ";
11         cin>>num[i];
12     }
13     if(num[0]<num[1])
14     {
15         largest = num[1];
16         second = num[0];
17     }
18     else
19     {
20         largest = num[0];
```

The second largest element in the array is: 9

Process exited after 0.187 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\second largest element.exe
- Output Size: 1.83293724060059 MiB
- Compilation Time: 1.92s

Line: 28 Col: 13 Sel: 0 Lines: 38 Length: 750 Insert Done parsing in 0.063 seconds



Type here to search



26°C Partly sunny



ENG

11:24

27-02-2024



C:\Users\abhigna\Documents\avg of three integers.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug avg of three integers.cpp prime.cpp second largest element.cpp greater number.cpp gcd do while lo

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int num1,num2,num3;
6     cout<<"enter first number:";
7     cin>>num1;
8     cout<<"enter second number:";
9     cin>>num2;
10    cout<<"enter third number:";
11    cin>>num3;
12    int avg=num1+num2+num3;
13    cout<<"average of three numbers:"<<avg<<endl;
14    return 0;
15 }
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\abhigna\Documents\avg of three integers.exe
- Output Size: 1.83263397216797 MiB
- Compilation Time: 2.09s

Line: 9 Col: 15 Sel: 0 Lines: 15 Length: 301 Insert Done parsing in 0.063 seconds

C:\Users\abhigna\Documents\avg of three integers.exe

```
enter first number:7
enter second number:9
enter third number:8
average of three numbers:24

-----
Process exited after 5.113 seconds with return value 0
Press any key to continue . .
```