

```
1 #include <iostream>
2 using namespace std;
3 bool check_prime(int n);
4 int main() {
5     int n, i;
6     bool flag = false;
7     cout << "Enter a positive integer: ";
8     cin >> n;
9     for(i = 2; i <= n/2; ++i) {
10         if (check_prime(i)) {
11             if (check_prime(n - i)) {
12                 cout << n << " = " << i << " + " << n-i << endl;
13                 flag = true;
14             }
15         }
16     }
17     if (!flag)
18         cout << n << " can't be expressed as sum of two prime numbers.";
19     return 0;
20 }
21 bool check_prime(int n) {
22     int i;
23     bool is_prime = true;
24     if (n == 0 || n == 1) {
25         is_prime = false;
26     }
27     for(i = 2; i <= n/2; ++i) {
28         if(n % i == 0) {
29             is_prime = false;
30             break;
31         }
32     }
33     return is_prime;
34 }
```

C:\Users\URI\Desktop\c++\check whether the give number is sum of two primes.exe

Enter a positive integer: 34

34 = 3 + 31

34 = 5 + 29

34 = 11 + 23

34 = 17 + 17

Process exited after 2.699 seconds with return value 0

Press any key to continue . . .

Abort Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\URI\Desktop\c++\check whether the give number is sum of two primes.exe
- Output Size: 1.83318328857422 MiB
- Compilation Time: 0.97s
```

Activate Windows
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```
25 cout << endl << "Enter elements of 2nd matrix: " << endl;
26 for(i = 0; i < r; ++i)
27     for(j = 0; j < c; ++j)
28     {
29         cout << "Enter element b" << i + 1 << j + 1 << " : ";
30         cin >> b[i][j];
31     }
32
33 // Adding Two matrices
34 for(i = 0; i < r; ++i)
35     for(j = 0; j < c; ++j)
36         sum[i][j] = a[i][j] + b[i][j];
37
38 // Displaying the resultant sum matrix.
39 cout << endl << "Sum of two matrix is: " << endl;
40 for(i = 0; i < r; ++i)
41     for(j = 0; j < c; ++j)
42     {
43         cout << sum[i][j] << " ";
44         if(j == c - 1)
45             cout << endl;
46     }
47
48 return 0;
49
```

Abort Compilation

Compilation results...

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\URI\Desktop\c++\addition of two matrix.exe
- Output Size: 1.83361148834229 MiB
- Compilation Time: 1.17s
```

C:\Users\URI\Desktop\c++\addition of two matrix.exe

Enter elements of 1st matrix:

Enter element a11 : 1

Enter element a12 : 2

Enter element a13 : 3

Enter element a21 : 4

Enter element a22 : 5

Enter element a23 : 6

Enter element a31 : 7

Enter element a32 : 8

Enter element a33 : 9

Enter elements of 2nd matrix:

Enter element b11 : 2

Enter element b12 : 3

Enter element b13 : 4

Enter element b21 : 5

Enter element b22 : 6

Enter element b23 : 7

Enter element b31 : 8

Enter element b32 : 9

Enter element b33 : 1

Sum of two matrix is:

3 5 7

9 11 13

15 17 10

Process exited after 27.58 seconds with return value 0

Press any key to continue . . .

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Project Classes Debug assignment 1 a.cpp assignment 1 b.cpp largest among three c++.cpp FINDING OF QUADRATIC EQUATION ROOTS.cpp sum of n natural numbers in c++.cpp
CHECK WHETHER THE LEAP YEAR OR NOT.cpp check whether the give number is sum of two primes.cpp factorial of given number c++.cpp

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int n;
6     long factorial=1;
7     cout<<"enter the positive number";
8     cin>>n;
9     if(n<0)
10    {
11        cout<<"error";
12    }
13    else
14    {
15        for(int i=1;i<=n;++i)
16        {
17            factorial*=i;
18        }
19        cout<<"factorial of"<<n<<"="<<factorial;
20    }
21    return 0;
22 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\URI\Desktop\c++\factorial
- Output Size: 1.8324556350708 MiB
- Compilation Time: 1.02s

C:\Users\URI\Desktop\c++\factorial of given number c++.exe

```
enter the positive number 5
factorial of 5=120
-----
Process exited after 3.059 seconds with return value 0
Press any key to continue . . .
```

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Line: 1 Col: 1 Sel: 0 Lines: 22 Length: 296 Insert Done parsing in 0.016 seconds