

```
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     }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\harsh\OneDrive\Desktop\HARSHITH\assignment.exe
- Output Size: 1.83313083648682 MiB
- Compilation Time: 0.75s
```

Line: 32 Col: 4 Sel: 0 Lines: 35 Length: 712 Insert Done parsing in 0.015 seconds

Enter a positive integer: 15

15 = 2 + 13

-----  
Process exited after 3.629 seconds with return value 0

Press any key to continue . . .

C:\Users\harsh\OneDrive\Desktop\HARSHITH\assign.cpp - [executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help



(globals)

Project Classes Debug assignment.cpp assign.cpp

```
1 #include<iostream>
2 using namespace std;
3 int factorial(int n);
4 int main() {
5     int n;
6     cout << "Enter a positive integer: ";
7     cin >> n;
8     cout << "Factorial of " << n << " = " << factorial(n);
9     return 0;
10 }
11 int factorial(int n) {
12     if(n > 1)
13         return n * factorial(n - 1);
14     else
15         return 1;
16 }
17
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\harsh\OneDrive\Desktop\HARSHITH\assign.exe
- Output Size: 1.83245372772217 MiB
- Compilation Time: 0.70s
```

Line: 10 Col: 2 Sel: 0 Lines: 17 Length: 316 Insert Done parsing in 0 seconds

C:\Users\harsh\OneDrive\Desktop\HARSHITH\assign.exe

Enter a positive integer: 5  
Factorial of 5 = 120

-----  
Process exited after 4.717 seconds with return value 0  
Press any key to continue . . .

Enter number of rows (between 1 and 100): 2  
Enter number of columns (between 1 and 100): 2

Enter elements of 1st matrix:

Enter element a11 : 4  
Enter element a12 : 6  
Enter element a21 : -9  
Enter element a22 : 8

Enter elements of 2nd matrix:

Enter element b11 : 3  
Enter element b12 : 4  
Enter element b21 : 6  
Enter element b22 : 5

Sum of two matrix is:

7 10  
-3 13

-----  
Process exited after 21.19 seconds with return value 0  
Press any key to continue . . .

Con

Abort Compilation

- warnings: 0  
- Output Filename: C:\Users\dilee\Desktop\3 assignment.exe  
- Output Size: 1.83358573913574 MiB  
- Compilation Time: 0.94s

☐ Shorten compiler paths

Line: 11 Col: 1 Col: 8 Line: 24 Length: 1322 Insert Run time: 0.028 seconds

