```cpp
#include <iostream>
using namespace std;

bool check_prime(int n);

int main() {
    int n, i;
    bool flag = false;
    cout << "Enter a positive integer: ";
    cin >> n;
    for(i = 2; i <= n/2; ++i) {
        if (check_prime(i)) {
            if (check_prime(n - i)) {
                cout << n << " = " << i << " + " << n-i << endl;
                flag = true;
            }
        }
    }
    if (!flag)
        cout << n << " can't be expressed as sum of two prime numbers.";
    return 0;
}

bool check_prime(int n) {
```

```
Enter a positive integer: 8
8 = 2 + 6
8 = 3 + 5
8 = 4 + 4

----------

Compilation Time: 1.22s
```

```cpp
B.cpp
#include <iostream>
using namespace std;

int main() {
    int r, c, i, j;
    cout << "Enter the number of rows (should be >1 and <10): ";
    cin >> r;
    cout << "Enter the number of columns (should be >1 and <10): ";
    cin >> c;

    int a[r][c], b[r][c], sum[r][c];

    cout << endl << "Enter elements of 1st matrix: " << endl;
    for(i = 0; i < r; ++i) {
        for(j = 0; j < c; ++j) {
            cout << "Enter element a" << i + 1 << j + 1 << " : ";
            cin >> a[i][j];
        }
    }

    cout << endl << "Enter elements of 2nd matrix: " << endl;
    for(i = 0; i < r; ++i) {
        for(j = 0; j < c; ++j) {
            cout << "Enter element b" << i + 1 << j + 1 << " : ";
            cin >> b[i][j];
        }
    }
```

```
C:\Users\nishanth\Do    ×    +    ∨                    —    □    ×

Enter element b12 : 456
Enter element b21 : 789
Enter element b22 : 123

Sum of two matrices:
246 579
1023 468

----------------------------------
Process exited after 51.57 seconds with retu
rn value 0
Press any key to continue . . . |
```

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tion results...
s: 0
ngs: 0
t Filename: C:\Users\nishanth\Documents\Untitled3.exe
t Size: 1.85673809051514 MiB
lation Time: 1.22s

```cpp
.cpp

    #include <iostream>
    using namespace std;

    int factorial(int n);

    int main() {
        int n;
        cout << "Enter a positive integer: ";
        cin >> n;
        cout << "Factorial of " << n << " = " << factorial(n);
        return 0;
    }

    int factorial(int n) {
        if(n > 1)
            return n * factorial(n - 1);
        else
            return 1;
    }
```

```
Enter a positive integer: 4
Factorial of 4 = 24
----------------------------------
Process exited after 11.22 seconds with return
 value 0
Press any key to continue . . . |
```

pile Log ✓ Debug 🔍 Find Results 🔴 Close

ion results...

: 0
ys: 0
Filename: C:\Users\nishanth\Documents\ass.exe
Size: 1.85511779785156 MiB
tion Time: 0.94s