Caesar Cipher

#include <iostream>

using namespace std;

// This function receives text and shift and

// returns the encrypted text

string encrypt(string text, int s)

{

    string result = "";

    // traverse text

    for (int i=0;i<text.length();i++)

    {

        // apply transformation to each character

        // Encrypt Uppercase letters

        if (isupper(text[i]))

            result += char(int(text[i]+s-65)%26 +65);

    // Encrypt Lowercase letters

    else

        result += char(int(text[i]+s-97)%26 +97);

    }

    // Return the resulting string

    return result;

}

// Driver program to test the above function

int main()

{

    string text="ATTACKATONCE";

    int s = 4;

    cout << "Text : " << text;

    cout << "\nShift: " << s;

    cout << "\nCipher: " << encrypt(text, s);

    return 0;

}