https://www.loom.com/share/7d17a432aeac45fab49a5bb3b95f2538

#include <iostream>

using namespace std;

string encrypt(string s, int n){

string result = "";

for(int i = 0; i < s.length(); i ++){

if(s[i] == 32){

//if it is a space it converts it to a blank rather than 32 onthe ascii table where it would mess up and add 97

result += " ";

continue;

}

//the code below subtracts 97 from each letter as a starts at 97 so a would now be 0 and any subsequent letters would be +1 and so on

//it only subtracts after we add the shift because if it was 1 shift and we subtract 97 it is now at 1 meaning it would be a b

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

}

return result;

}

int main() {

string word;

int shift;

cout<< "What would you like to encrypt? ";

//gets input of word that will be encrypted

getline(cin,word);

cout << endl << "What is the shift? ";

//gets input of what the shift will be

cin >> shift;

for(int i = 0; i < word.length(); i ++){

//if the word has any capital letters they are converted to lowercsae on the ascii table so as to not mess up the shift

if(word[i] > 64 && word[i]<91){

word[i] = word[i] + 32;

}

}

//runs the encryption program

cout << encrypt(word, shift);

}