Exercise\_2\_solution

**( Allow to use more than 1 array )**

#include <iostream>

using namespace std;

int main()

{

char a[80];

char b[80];

cout << "Enter a word or phrase: ";

cin.getline(a, 80);

for (int i = 0; i < strlen(a); i++)

{

b[i] = a[strlen(a)-1-i];

}

b[strlen(a)] = '\0'; //set the end point to the c-string (array) - very important

cout << "The original input is: " << a << endl;

cout << "The reversed input is: " << b << endl;

system("pause");

return 0;

}

**( Only use 1 array )**

#include <iostream>

using namespace std;

int main()

{

char a[80];

cout << "Enter a word or phrase: ";

cin.getline(a, 80);

cout << "The original input is: " << a << endl;

char tmp;

for (int i = 0; i < strlen(a)/2; i++)

{

tmp = a[i];

a[i] = a[strlen(a) -1 - i];

a[strlen(a) -1 - i] = tmp;

}

cout << "The reversed input is: " << a << endl;

system("pause");

return 0;

}