**LAB REPORT NO 8**



**Spring 2020**

**CSE102L Computer Programming Lab**

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“On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work.”

Submitted to:

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**1. Write a C++ program where you take two values in two variables from user, add the values of the two variables and put it into a third variable using a pointer. you must you only one pointer.**

#include<iostream>

using namespace std;

void add(int a, int b, int \*c);

int main(){

int a,b,c;

cout<<"Enter a number :"<<endl;

cin>>a;

cout<<"Enter another number :"<<endl;

cin>>b;

add ( a,b,&c);

return 0;

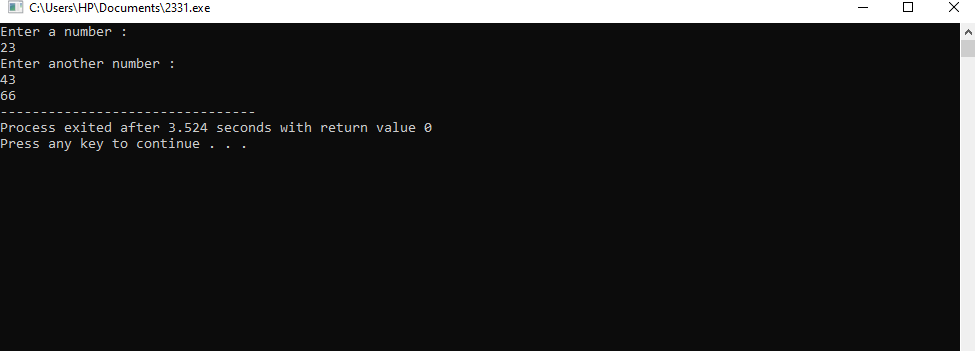
}

void add(int a,int b,int \*c){

\*c=a+b;

cout<<\*c;

}



**2. Write a C++ program where you take two values from user in two variables, swaps the values of the variables using references (&amp;).**

#include<iostream>

using namespace std;

void myswap(int \*x,int \*y);

int main(){

int x,y;

cout<<"Enter the value of x and y :"<<endl;

cin>>x>>y;

cout<<"Before swaping x = "<<x<<endl;

cout<<"Before swaping y = "<<y<<endl;

myswap( &x ,&y);

return 0;

}

void myswap(int \*x, int \*y){

int temp=\*x;

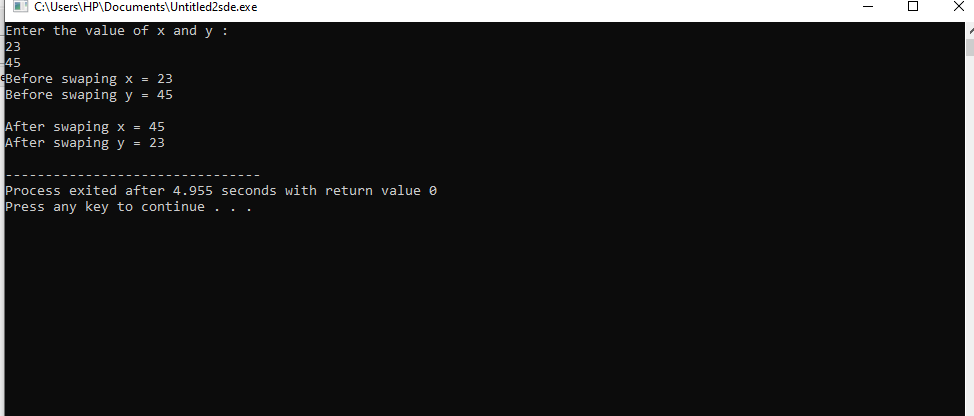
\*x=\*y;

\*y=temp;

cout<<"\nAfter swaping x = "<<\*x<<endl;

cout<<"After swaping y = "<<\*y<<endl;

}



**3. Write a C++ program where you take a value in a variable from use increment that value by 5 using a pointer in a for loop and display its play using pointer.**

#include<iostream>

using namespace std;

main() {

int n, \*a = &n;

cout<<"Input a number: ";

cin>>n;

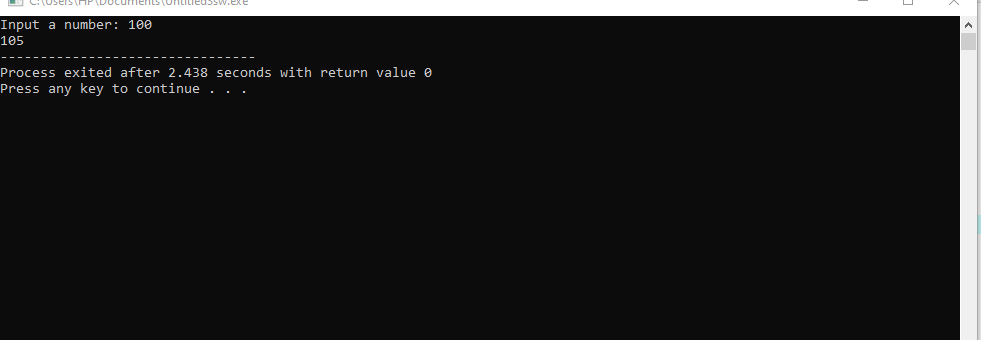
for(int i = 1; i <= 5; i++) {

(\*a)++;

}

cout<<\*a;

}



**4. Write a C++ program where you take your first name from user in a string variable using pointer edit that string to your last name and then display that string variable (your last name must be hard coded in a separate string variable).**

#include<iostream>

#include<string.h>

using namespace std;

main() {

string a, \*pointer = &a, b = "Ali khan";

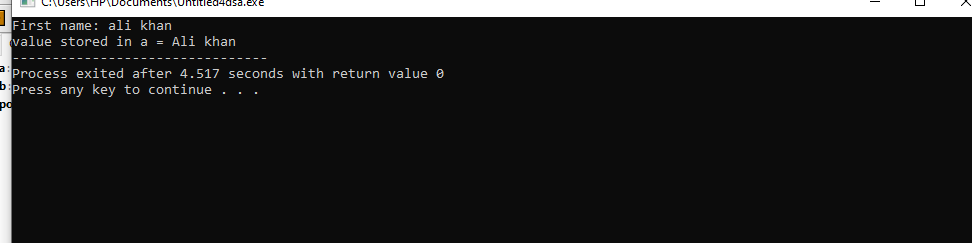
cout<<"First name: ";

cin>>a;

\*pointer = b;

cout<<"value stored in a = "<<a;

}



**5. Display 1 to n numbers using pointer, user must enter the n.**

#include<iostream>

using namespace std;

main() {

int a, n = 1, \*b = &n;

cout<<"Input: ";

cin>>a;

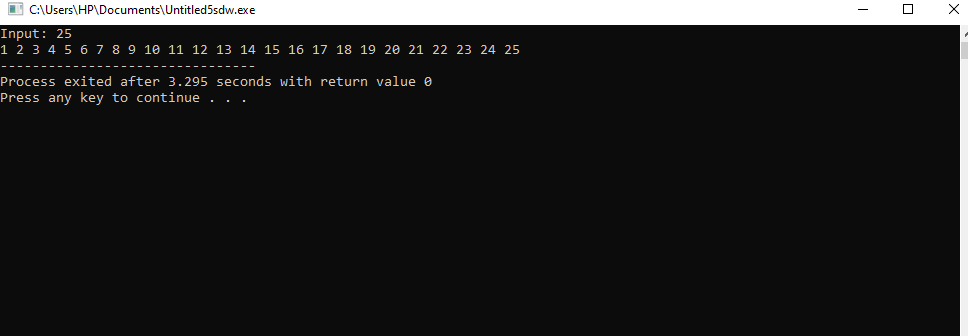
while(\*b <= a) {

cout<<\*b<<" ";

(\*b)++;

}

}



**6. Add even numbers from 1 to n using pointers user must enter n.**

**Code**:

#include<iostream>

using namespace std;

main() {

int a, b = 2, \*c = &b, s = 0, \*p = &s;

cout<<"Enter a number: ";

cin>>a;

while(\*c <= a) {

\*p += \*c;

\*c += 2;

}

cout<<\*p;

}

