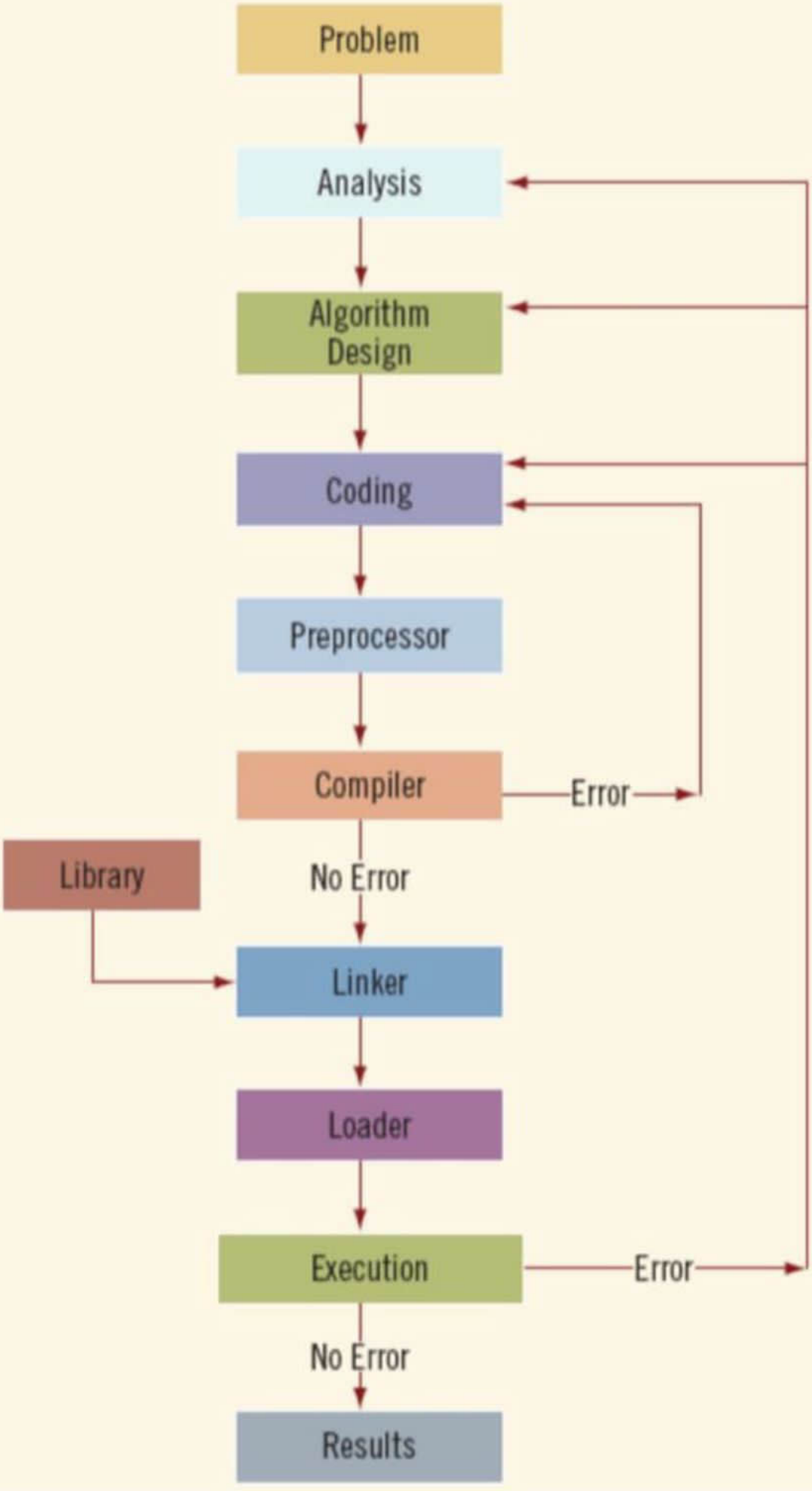
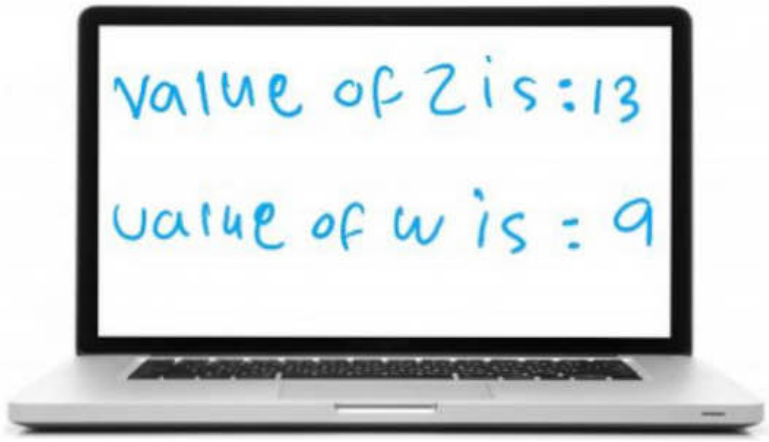

Problem
Analysis
Algorithm Design
Coding
Preprocessor
Compiler
Error
Library
No Error
Linker
Loader
Execution
Error
No Error
Results

6. **Given the following program, show the corresponding output on the screen:**

(Trace without using Dev C++)

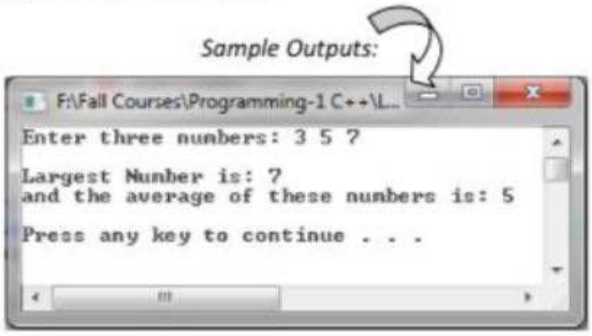
```
#include <iostream>
using namespace std;
 int main()
{
  int x=13, y = 24, z=5;
  double w=3.0;

  z = x--;
  w = ++x/z+y/w;
  cout << "Value of Z is: " << z << endl ;
  cout << "Value of W is: " << w << endl ;
  if (z==5)
    cout << "Last Value of Z is: " << --z << endl ;

  return 0;
}
```



10. **Complete the following C++ program that reads 3 numbers num1,num2 and num3 entered by the user. Find the largest number as well as their average and print the largest, and the average back to the user.**

Note: [num1≠num2≠num3]

Sample Outputs:




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

int main()
{
   int num1,num2,num3, largest;
   double average;

   cout << "Enter three numbers: ";
```

Complete

```
if (num1 >= num2)) 8& (num1 >= num3)) {
largest= num1;
else if ((num2 >= num1) && (num2 = num3)) {
largest= num2;
else
}
largest = num3;
avg = (num1 + num2 + num3) /3;
cout << "The avg number is " << avg << endl;
cout <<"The largest number is " << largest << endl;
system("PAUSE") ;
return 0;
```

Q3.(CLO3) (10 Marks)

i. Given the following declarations:

```
int    list1[5]={2, 4, 6, 8, 10};
double list2[5]={1.5, 2.6, 3.7,4.8, 5.2};
char   list3[5]={'T','a','i','f','u'};
```

What is printed by the following statements?

```
cout<< list1[1]<<endl;
cout<< list2[2]<<endl;
cout<< list1[0]+list1[3]<<endl;
cout<< list3[4]<<endl;
```

4
3.7
2+8=10
u

ii. Given the following program, show the corresponding output on the screen.

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

int main()
{
   int num[7]={5,1,7,3,2,6,8};

   for (int i=0; i<6; i++)

         if (num[i+1] < num[i])

               cout<< "wrong order"<<endl<<endl;

         else

               cout<< "correct order"<<endl<<endl;

   return 0;
}
```

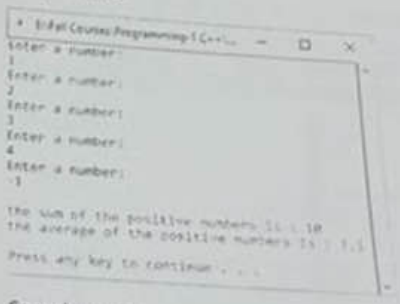
worong order
correct order
Worong order
Worong order
cerrect order
cerrect order

Q 4.*(CLO4)* *(10 Marks)*

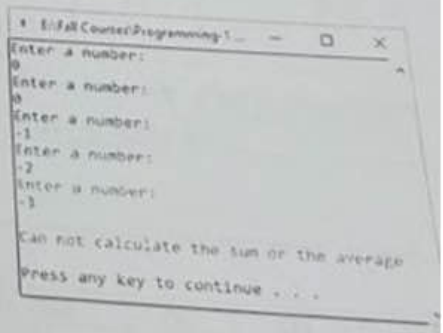
Using loop, write a C++ program that asks the user for any 5 numbers (positive, negative, or zero). Then, calculate the sum and average of the positive numbers only. Your program should print to the user the average of the positive numbers.

Important Note: When you calculate the average, avoid the logical error that could happen when you divide the sum by zero (that happens when no positive numbers are entered). In this case, display this message to the user: *"Can not calculate the sum or the average"*.

Sample run-1



Sample run-2



End of Questions