4 stage pipeline

PROGRAM:

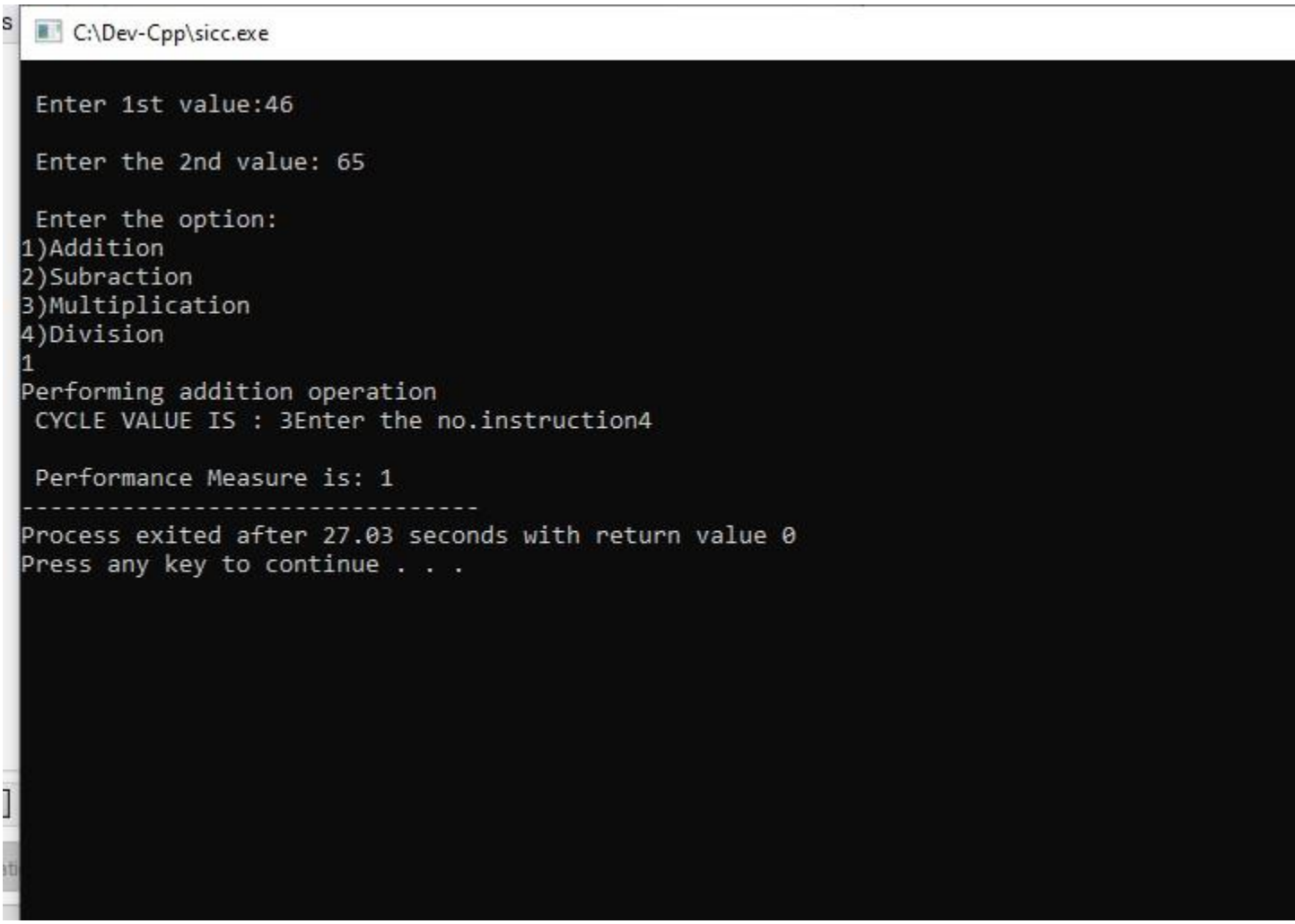
```
#include<stdio.h>
void main(){


int counter=0;


int input;


int num1,num2;


int op;


int res;


int ins;


int performance_measure=0;


printf("\n Enter 1st value:
");


scanf("%d",&num1);


counter+=1;


printf("\n Enter the 2nd
value: ");


scanf("%d",&num2);


counter+=1;


printf("\n Enter the option:
```

```
\n1)Addition\n2)Subraction\n3)Multiplication\n4)Division");

scanf("%d",&op);

switch(op){

case 1:

        printf("Performing
addition operation");

        res=num1+num2;

        counter+=1;

        break;

case 2:

        printf("Performing
subraction operation");

        res=num1-num2;

        counter+=1;

        break;

case 3:

        printf("Performing
multiplication operation");

        res=num1*num2;
```

```
            counter+=1;

            break;

case 4:

            if(num2==0){

            printf("\n
Denominator can't be zero");

            }

            else{

            printf("Performing
division operation");

            res=num1/num2;

            counter+=1;

            break;

            }

default:

            printf("Invalid
case...");

            counter+=3;
```

```
                break;

}

printf("\n CYCLE VALUE IS :
%d",counter);

printf("Enter the
no.instruction");

scanf("%d",&ins);

performance_measure=ins/counter;

printf("\n Performance
Measure is: %d",performance_measure);

}
```

INPUT & OUTPUT:



RESULT: Thus the program was executed successfully using DevC++.