44-4 stage pipeline

```
#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");
```

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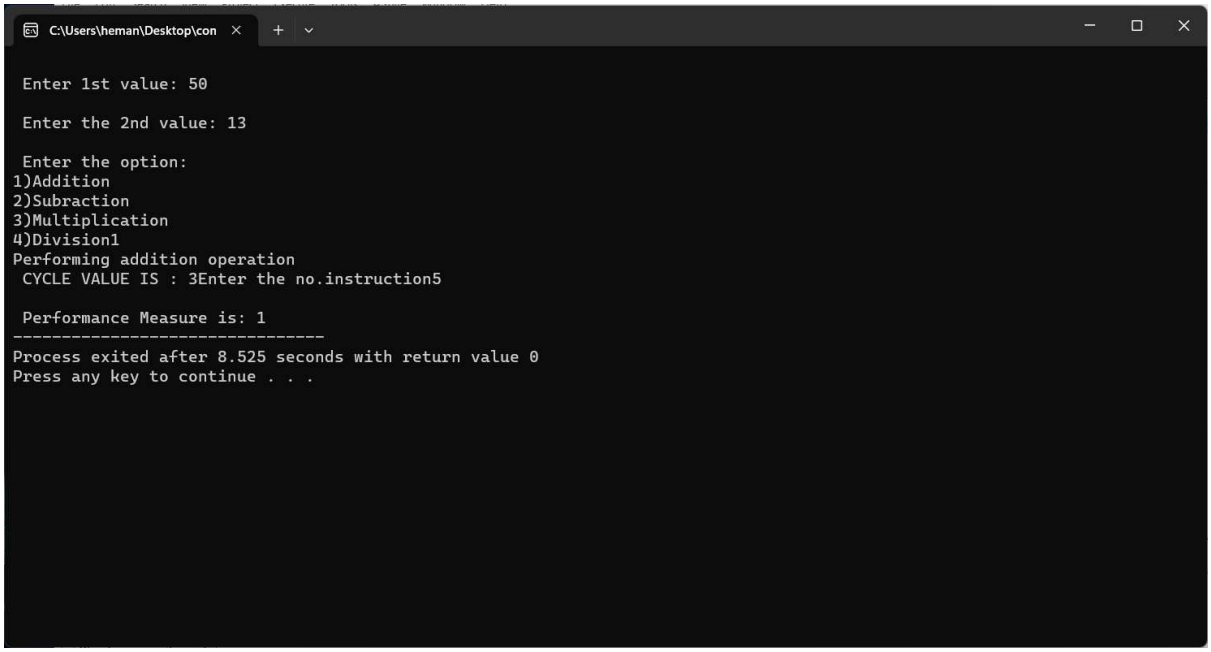
        res=num1*num2;
        counter+=1;
        break;
case 4:
        if(num2==0){
        printf("\n Denominator can't be zero");
        }
        else{
        printf("Performing division operation");
        res=num1/num2;
        counter+=1;
        break;
        }
default:
        printf("Invalid 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);
}
```


C:\Users\heman\Desktop\con
Enter 1st value: 50
Enter the 2nd value: 13
Enter the option:
1)Addition
2)Subraction
3)Multiplication
4)Division1
Performing addition operation
CYCLE VALUE IS : 3Enter the no.instruction5
Performance Measure is: 1
Process exited after 8.525 seconds with return value 0
Press any key to continue . . .