

```
#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 subtraction operation");

    res=num1-num2;

    counter+=1;

    break;

case 3:

    printf("Performing multiplication operation");

    res=num1*num2;
```

```
    counter+=1;
```

```
    break;
```

```
case 4:
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    if(num2==0){
```

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

```
    }
```

```
    else{
```

```
        printf("Performing division operation");
```

```
        res=num1/num2;
```

```
        counter+=1;
```

```
        break;
```

```
    }
```

```
default:
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```
    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);
```

```
}
```