

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    int counter =1,a,b,choice,res,ins;
```

```
    printf("Enter number 1:");
```

```
    scanf("%d",&a);
```

```
    counter = counter+1;
```

```
    printf("Enter number 2:");
```

```
    scanf("%d",&b);
```

```
    counter = counter +1;
```

```
    printf("1-Addition:\n2-Subtraction:\n3-Multiplication:\n4-Division:");
```

```
    scanf("%d",&choice);
```

```
    switch(choice)
```

```
    {
```

```
        case 1: printf("Performing addition\n");
```

```
                res = a+b;
```

```
                counter = counter+1;
```

```
                break;
```

```
        case 2: printf("Performing subtraction\n");
```

```
                res = a-b;
```

```
                counter = counter+1;
```

```
                break;
```

```
        case 3: printf("Performing Multiplication\n");
```

```
                res = a*b;
```

```
                counter = counter+1;
```

```
                break;
```

```
        case 4: printf("Performing Division\n");
```

```
                res = a/b;
```

```
                counter = counter+1;
```

```
                break;
```

```
        default: printf("Wrong input");  
                break;  
    }  
    printf("The cycle value is:%d\n",counter);  
    printf("Enter the number of instructions:");  
    scanf("%d",&ins);  
    int performance_measure = ins/counter;  
    printf("The performance measure is:%d\n",performance_measure);  
    return 0;  
  
}
```