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#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;
```

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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;
}
```