#include<stdio.h>

int main()

{

   int a,b,c,d,e,f,g,ch;

   printf("enter the values of a and b");

   scanf("%d %d",&a,&b);

   printf("enter the operation \n 1. Addition \n 2. Difference \n 3. Multiplication \n 4. Divison \n 5. Modulus \n Enter here");

   scanf("%d",&ch);

   switch(ch)

   {

      case 1:

      c=a+b;

      printf("sum of two numbers is %d",c);

      break;

      case 2:

      d=a-b;

      printf("difference of two numbers is %d",d);

      break;

      case 3:

      e=a\*b;

      printf("product of two numbers is %d",e);

      break;

  case 4:

      f=a/b;

      printf("division of two numbers is %d",f);

      break;

      case 5:

      g=a%b;

      printf("mod of a and b is %d",g);

      break;

      default:

       printf("ERROR enter the correct choice");

  }

}