

```
#include<stdio.h>

#include<conio.h>

int main()
{
    int con;

    do
    {
        int a,b,res;

        char ch;

        printf("the enter the value of a and b:");

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

        printf("press '+' :to add\n");

        printf("press '-' :to aubtract\n");

        printf("press '*' :to multiply\n");

        printf("press '/' :to divide\n");

        printf("press '%' :modular operation\n");

        printf("press 'i' :increment\n");

        printf("press 'd' :decrement\n");

        printf("press '>' :greater than\n");

        printf("press '<' :less than\n");

        printf("press '=' :equal to\n");

        printf("press '!' :not equal to\n");

        printf("enter the operation to perform:");

        scanf(" %c",& ch);

        switch(ch)
```

```
{  
  
    case '+':res=a+b;  
  
        printf("the sum of two values is:%d",res);  
  
        break;  
  
    case '-':res=a-b;  
  
        printf("the difference of the the two values is:%d",res);  
  
        break;  
  
    case '*':res=a*b;  
  
        printf("the product of two values is:%d",res);  
  
        break;  
  
    case '/':res=a/b;  
  
        printf("the division of two values is:%d",res);  
  
        break;  
  
    case '%':res=a%b;  
  
        printf("the modulus of two values is:%d",res);  
  
        break;  
  
    case '>':if (a>b)  
    {  
  
        printf("yes, a is greater than b");  
  
    }  
  
    else  
  
        {  
  
            printf("no, a is not greater than b");  
  
        }  
  
        break;
```

```
case '<':if (a<b)
{
    printf("yes, a is less than b");
}
else
{
    printf("no, a is not less than b");
}
break;
case '=':if (a==b)
{
    printf("yes, a is equal to b");
}
else
{
    printf("no, a is not equal to b");
}
break;
case '!=':if (a!=b)
{
    printf("yes, a is not equal to b");
}
else
{
    printf("no, a is equal to b");
}
```

```

        }
        break;

    case 'i':a++;

        b++;

        printf("the increased value of a is %d and b is %d",a,b);

        break;

    case 'd':a--;

        b--;

        printf("the decreased value of a is %d and b is %d",a,b);

    default:printf("you have entered a false expression");


    }

    printf("\npress 1 to continue.....");

    scanf("%d",& con);

}

while(con==1);

return 0;

}

```

Output:

