```c
#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)
```

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{
        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 modulas 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;
```

```c
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");
```

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                    }
                    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;
}
```