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#include<stdio.h>
#include<conio.h>
#include<math.h>
#include<stdlib.h>
int main()
{
    char c;
    int n1, n2, res = 0;

    while(1)
    {
        printf("\nEnter First Value:");
        scanf("%d",&n1);

        printf("\nEnter Operator\n+ addition,\n - subtraction,\n * multiplication,\n / division ,\n r remainder ,\n ^ num1( power)num2 ,\n < less than ,\n > greater than,\n = equal to,\n ! not equal to,\n E TO
        scanf("%c",&c);

        printf("\nEnter Second Value:");
        scanf("%d",&n2);

        switch(c)
        {
            case '+':
                res = n1 + n2;
                printf("\nSum is = %d",res);
                break;

            case '-':
                res = n1 - n2;
                printf("\nDifference is = %d",res);
                printf("\n\n Enter value Again for a New Input\n");
                break;

            case '*':
                res = n1 * n2;
                printf("\nProduct is = %d",res);
                printf("\n\n Enter value Again for a New Input\n");
                break;

            case '/':
                res = n1 / n2;
                printf("\nQuotient is = %d",res);
                printf("\n\n Enter value Again for a New Input\n");
                break;

            case 'r':
                res = n1 % n2;
                printf("\nRemainder is = %d",res);
                printf("\n\n Enter value Again for a New Input\n");
                break;

            case '>':
                if(n1 > n2)
                {
                    printf("yes it is greater\n");
                }
        }
    }
}

```

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case 'r':
    res = n1 % n2;
    printf("\nReminder is = %d",res);
    printf("\n\n Enter value Again for a New Input\n");
    break;

case '>':
    if(n1>n2)
    {
        printf("yes, it is greater");
    }
    else{
        printf("\n\nNo it is not greater");
        printf("\n Enter value Again for a New Input\n");
    }
    break;

case '<':
    if(n1>n2)
    {
        printf("no, it is not lesser");
    }
    else{
        printf("\n\nyes, it is lesser");
        printf("\n Enter value Again for a New Input\n");
    }
    break;

case '=':
    if(n1==n2)
    {
        printf("yes");
    }
    else{
        printf("\n\nno");
        printf("\n Enter value Again for a New Input\n");
    }
    break;

case '^':
    printf("%lf",pow(n1,n2));
    break;

case '!':
    if(n1==n2)
    {
        printf("not equal");
    }
    else{
        printf("\n\nyes");
        printf("\n Enter value Again for a New Input\n");
    }
    break;

case 'E':
    exit(0);
    break;

default:
    printf("\nEnter value Valid Operator!!!\n");
    printf("\n\n Enter value Again for a New Input\n");
}
getch();
return 0;

```

Local Variables	
Variable	Value
Registers	
Register	Value
Display Expressions	
Expression	Value
Enter expression to watch	
Breakpoints and Watchpoints	
#	Description

Enter First Value:5

Enter Operator

+ addition,

- subtraction,

* multiplication,

/ division ,

r remainder ,

^ num1(power) num2 ,

< less than ,

> greater than,

= equal to,

! not equal to,

E TO EXIT +

Enter Second Value:7

Sum is = 12

Enter First Value: