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#include<stdio.h>
#include<conio.h>
#include<math.h>
#include<string.h>
double compute(char symbol, long int op1, long int op2)
{
    switch(symbol)
    {
        case '+': return op1 + op2;
        case '-': return op1 - op2;
        case '*': return op1 * op2;
        case '/': return op1 / op2;
        case '%': return op1 % op2;
        case '$': return pow(op1,op2);
        default: return 0;
    }
}

void main()
{
    double s[20], res, op1, op2;
    int top, i;
    char postfix[20], symbol;
    clrscr();
    printf("\nEnter the postfix expression:\n");
    flushall();
    gets(postfix);
    top=-1;
    for(i=0; i<strlen(postfix); i++)
    {
        symbol = postfix[i];
        if(isdigit(symbol))
            s[++top] = symbol - '0';
        else
        {
            op2 = s[top--];
            op1 = s[top--];
            res = compute(symbol, op1, op2);
            s[++top] = res;
        }
    }
    res = s[top--];
    printf("\nThe result is : %f\n", res);
    getch();
}

```