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// Answer on question #38105, Programming, C++
#include <iostream>
#include <math.h>
using namespace std;

int main()
{
    double num=0, den=0, result=0,max=256;
    char op;
    do {

        cout<<"\nCalculator - Enter Number: ";
        cin>>num;

        if(num>max){cout<<endl<<"You have exceeded the maximum number of!";}
        else{cout<<"Enter operator : +,-,*,/,^,% : ";
        cin>>op;
        if (op!='%'){cout<<"enter second number: " ; cin>>den;}

        if(den>max){cout<<endl<<"You have exceeded the maximum number of!";}
        else{
            if (op=='+') result=num+den;
            if (op=='-') result=num-den;
            if (op=='*') result=num*den;
            if (op=='/') result=num/den;
            if (op=='^') result=pow(num,den);
            if (op=='%') result=num/100;

            cout<<endl<<"Result: "<<result;
                }
            }
        cout<<endl<<"Exit? y/n"<<endl;
        cin>>op; if(op=='y'){return 0;}
    }
}

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while (1);
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return 0;
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}
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