use strict;  
use warnings;

sub calculator {  
    print "Enter first number: ";  
    my $num1 = <STDIN>;  
    chomp($num1);

    print "Enter operator (+, -, \*, /): ";  
    my $operator = <STDIN>;  
    chomp($operator);

    print "Enter second number: ";  
    my $num2 = <STDIN>;  
    chomp($num2);

    # Validate input  
    if ($num1 !~ /^-?\d+(\.\d+)?$/ || $num2 !~ /^-?\d+(\.\d+)?$/) {  
        print "Error: Please enter valid numbers.\n";  
        return;  
    }

    my $result;

    if ($operator eq '+') {  
        $result = $num1 + $num2;  
    } elsif ($operator eq '-') {  
        $result = $num1 - $num2;  
    } elsif ($operator eq '\*') {  
        $result = $num1 \* $num2;  
    } elsif ($operator eq '/') {  
        if ($num2 == 0) {  
            print "Error: Division by zero is not allowed.\n";  
            return;  
        }  
        $result = $num1 / $num2;  
    } else {  
        print "Error: Invalid operator.\n";  
        return;  
    }

    print "Result: $result\n";  
}

calculator();