lovepreet singh(000848567)

# Test to pass

## Test Case:100^2

## Number:5

### Description: the exponential operator is not working as it should be. The number before ^ should be raised go the power of the second number but its opposite In this case ,

### I have done test number 6 to support my reasoning where the result came as 5^2 when whereas we entered 2^5

## Test case: 100%5

### Number:7

### Description: the % operator is not even considered as an operator by the program, it throws undefined % bug

## Test case: max(12,2)

### Number:17

### Description: max function is supposed to give the maxmun number out of the three but it actually is giving the smallest.

### To check for more clarity I did test number 18(max(1.5,1,1.7)) which confirmed that its giving the smallest number not the last number.

## Test case: min(12,2)

### Number:19

### Description: min function is not giving the minimum value instead it’s returning the maximum value

## Test case: avg(12,20)

### Number:20

### Description: avg function is throwing out the sum of the numbers rather than average

## Test case: sum(23,2)

### Number:21

### Description: sum function is not giving the summation value instead it’s returning the first number in the separation value I used test case 22 to verify if it’s the highest number or first number that it sum is returning.

## Test case: round(.50)

### Number:28

### Description: the round(.50) is returning 0 instead of 1

### .

## Test case: 1/(1/cos(90))

### Number:29

### Description: cos(90) returns infinity and 1/ cos(90) should return a non-terminating 0.000000 which would be undefined if we didn’t had decimal limit but for our program we have set the decimal limit to max 10 so we should get 0 by rounding off instead of an error message

# Test to fail

## Test case: tan(90)

### Number: 1f

### Description: tan(90) is not a given in list of valid functions so it should return an error of tan not defined but it executes it giving a correct output.

## Test case: making number of decimals=11

### Number: 3f

### Description: the upper limit of the decimal places was set to 10 but it turns out that the limit is 15 which was verified with case number 5f and 6f