

#python3

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```
from math import floor
```

```
def IsGuessTrue(Min, Max, Guess, NoGuess):
    if Min == Max :
        return
    else:
        OP = input ("Is your number (E)qual to
,(G)reater than or (L)ess than %i: " % Guess )
        if (OP == 'E' or OP == 'e'):
            print ("I found your number in %i Guess
, it is %i"% (NoGuess, Guess))
            Max = Min
            IsGuessTrue(Min, Max, Guess, NoGuess)
        elif (OP == 'G' or OP == 'g'):
            Min = Guess
            Guess = floor ((Min + Max)/2)
            NoGuess += 1
            IsGuessTrue(Min, Max, Guess, NoGuess)
        elif (OP == 'L' or OP == 'l'):
            Max = Guess
            Guess = floor ((Min + Max)/2)
            NoGuess += 1
            IsGuessTrue(Min, Max, Guess, NoGuess)
        else:
            print ("Error in data")
```

```
Numbers = [x for x in range (1001)]  
Min = 1  
Max = 1000  
Guess = floor ((Min + Max)/2)  
NoGuess = 1  
IsGuessTrue(Min, Max, Guess, NoGuess)
```