

Keyboard Input / The 'break' Statement

```
#-----
def Greet( ) :

    # Prompt for and read a name from the keyboard,
    # and then greet the person with the given name

    name = input( "Please tell me your name: " )

    print( "Hello,", name )

#-----

def Total( ) :

    # Input integers, one per line, terminated by -1, and output their total

    print( "Enter integers, one per line, terminated by -1" )

    total = 0

    while True :
        number = int( input( "> " ) )
        if number == -1 :
            break
        total += number

    print( "Total =", total )

#-----

def NumberGuess( lo, hi ) :

    # Pick a random integer between 'lo' and 'hi', inclusive,
    # and read guesses from the keyboard until this integer is supplied,
    # stating whether each guess is too low, too high, or correct

    from random import choice

    answer = choice( range( lo, hi + 1 ) )

    while True :
        guess = int( input( "guess = " ) )
        if guess < answer :
            print( " ", guess, "is too low" )
        elif guess > answer :
            print( " ", guess, "is too high" )
        else :
            print( " ", guess, "is correct" )
            break

#-----
```

```
>>> Greet( )
Please tell me your name: Robin Hood
Hello, Robin Hood
```

```
>>> Total( )
Enter integers, one per line, terminated by -1
> 3
> 1
> 5
> 0
> 2
> 4
> -1
Total = 15
```

```
>>> Total( )
Enter integers, one per line, terminated by -1
> -1
Total = 0
```

```
>>> NumberGuess( 1, 10 )
guess = 5
5 is too low
guess = 8
8 is too high
guess = 6
6 is too low
guess = 7
7 is correct
```

```
>>> NumberGuess( 20, 100 )
guess = 60
60 is too low
guess = 80
80 is too high
guess = 70
70 is too low
guess = 75
75 is too high
guess = 73
73 is too low
guess = 74
74 is correct
```