break and continue in for loops

The break and continue clauses work the same in for loops like they do in while loops

Write a program that prints the square of every third integer in the range 1 to 45 However, if the square is a multiple of 5 that value must not be printed and the program must skip the current iteration with a continue statement.

```
In [1]:
```

```
for i in range(1,46,3):
    n = i**2
    if n % 5 == 0:
       print('{{}} is a multiple of 5 and therefore will not be printed'.format(n))
        continue
    print(n)
1
16
49
100 is a multiple of 5 and therefore will not be printed
169
256
361
484
625 is a multiple of 5 and therefore will not be printed
784
961
1156
1369
1600 is a multiple of 5 and therefore will not be printed
1849
```

Write a program to accept a string value from the user. The program should print each character in the string in a line by itself. However, if the character is a 'z', the program should exit the loop with a break statement.

```
In [3]:
```

```
inline = input('Enter a string: ')

#Note the syntax. Each time execution enters the loop, i is assigned the value of next character
in the string.
for i in inline:
    if i == 'z':
        print('Character \'z\' encountered. Exiting the program')
        break
    print(i)

Enter a string: Amerzica
A
m
e
r
Character 'z' encountered. Exiting the program
```