

Special characters

- `"\t"` is a tab. It is not a fixed length
 - It looks like a sequence of spaces but it is not!
 - When we **press** tab in keyboard, it will be 4 whitespaces
 - When python **prints** `\t`, it will move the cursor to n-th column, such that `n % 8` is 0
 - In other words, it looks like we “pad” space until the length of string `% 8` is equal to 0
- `"\n"` means a “new line”
- `string.rstrip()` removes any space, `\n` and `\t` at the **right** side of string.
- `string.split("\t")` splits string using `"\t"`

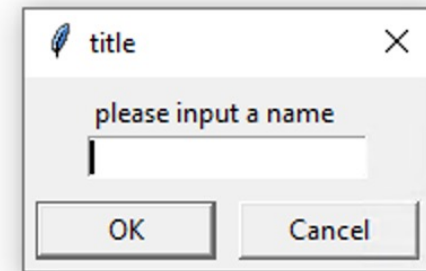
```
print("01234567890123456789")
print("e is\t2.71828")
print("e is\t\t2.71828")
print("e is\t\t\t2.71828")
```

[illegible]

Turtle - Input box

```
var=turtle.textinput("title","please input a  
name")
```

A prompt will be displayed and ask for inputs.
Inputs typed by users will be saved to `var`



File IO

```
#Open the file for writing text
myfile = open(filename, "wt")

one_line = "abcd + "\n"

# Save the string to the file
# write will not automatically pad \n
myfile.write(one_line)

# Close the file
myfile.close()
```

```
# Open the file for reading
myfile = open(filename, "r")

for line in myfile:
    # Handle each line, one by one
    # print(myfile) does not work!

    # Remove the end-of-line
    line = line.rstrip()
    # do something here

myfile.close() # We have finished,
now close the file
```