```
# splitting strings

wrd = "readers are leaders everywhere"
spl = wrd.split("e")
print(spl)



# joining list

wrd = ["readers", "are", "leaders", "everywhere"]
glue = ";"

s = glue.join(wrd)
print(s)

print("***".join(wrd))
print("".join(wrd))



str1 = "OH THE PLACES YOU'LL GO"

str2 = list(str1)

str3 = " "
str4 = str3.join(str2)
```

```
print(str4)

str5 = str1.split()
print(str5)




# splitting into list

str1 = "OH THE PLACES YOU'LL GO"
str2 = str1.split()
print(str2)




sent = "The bicentennial for our university is in 2017!"

wrds = sent.split()
print(wrds)




addition_str = "2+5+10+20"
```

```
sum = addition_str.split("+")


strings = [int(i) for i in sum]


accum = 0
for s in strings:
    accum = accum + s


print(accum)
```

```
 original_str = "The quick brown think jumped over the extremely lazy fox"


original_str = original_str.split(" ")
num_words_list = []



for word in original_str:
    word = len(word)
    num_words_list = num_words_list + [word]
print(num_words_list)
```

```
    # iteration over a list

for name in ["Afia", "Opeyemi", "Mariam", "Tolu"]:
    print("Hi", name,  "please come to my party on sunday")




    s = "python rocks"
for Ch in s:
    print(Ch) # python rocks is stringed sequence with 13 characters that is assigned to variable s
    print("Hello")



   # the range function

nums = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
print("range(5): ")
for i in range(5):
    print(i)

print("range(0,5): ")
for i in range(0,5):
```

```
    print(i)



print(list(range(5)))
print(list(range(0,5)))



print(range(5))









# in for loops, use plural names for the sequence and singular names for the iterable variables.

# e.g for fruit in fruits:
#    or for bench in benches

#benches is the iterable(the sequence) and it comes after the in while bench is the iteration variable
#(it is bound to each item in the sequence.

# note that an integer cannot be iterated
```