

8-Loops

March 6, 2023

1 while loop

```
[2]: i = 1
      while i < 7:
          print(i)
          i+=1
```

1
2
3
4
5
6

```
[3]: i = 1
      while i < 7:
          print(i)
          if i == 4:
              break
          i+=1
```

1
2
3
4

```
[6]: i = 1
      while i < 7:
          i+= 1
          if i == 4:
              continue
          print(i)
```

2
3
5
6
7

2 for loop

```
[9]: fruits = ["lemon", "cherry", "banana"]
```

```
for x in fruits:
    print(x)
    if x == "cherry":
        break
```

lemon
cherry

```
[12]: # looping through a string
```

```
for i in "python":
    print(i)
```

p
y
t
h
o
n

```
[13]: #using for loop with range()
```

```
for x in range(7):
    print(x)
```

0
1
2
3
4
5
6

```
[14]: for x in range(2, 7):
```

```
    print(x)
```

2
3
4
5
6

```
[17]: for x in range(2,30,3):
```

```
    print(x)
else:
    print("finally completed!")
```

2

```
5
8
11
14
17
20
23
26
29
finally completed!
```

```
[ ]:
```