

```
print('Hello, good afternoon')
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Hello, good afternoon
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print('Hello')  
print('good afternoon')
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Hello  
good afternoon
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▾ loops

to execute block of code multiple times continuously

types of loops :

for

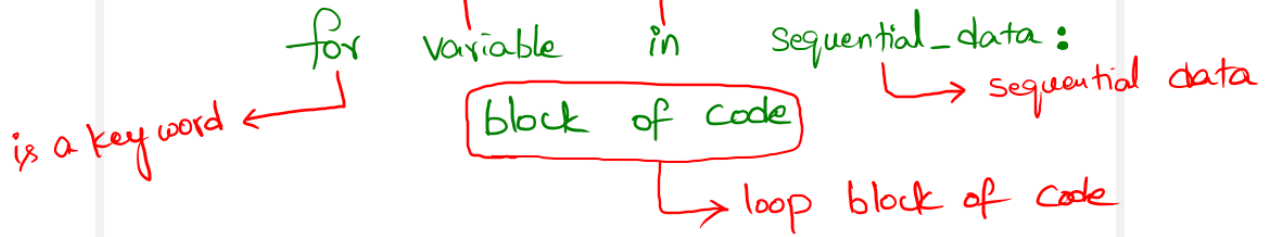
while

for-else

while-else

nested loops

for loop syntax:



```
s = 'python'
for i in s:
    print(i)
```

```
p
y
t
h
o
n
```

```
s = 'python'
for i in s:
    print(i,end=' ')
```

```
p y t h o n
```

```
s = 'zyxwvutsrqponmlkjihgfedcba'
for i in s:
    print(i,end=' ')
```

```
z y x w v u t s r q p o n m l k j i h g f e d c b a
```

```
s = 10
for i in s:
    print(i,end=' ')
```

```
-----
TypeError                                Traceback (most recent call last)
<ipython-input-8-3e07b89902a3> in <module>
      1 s = 10
----> 2 for i in s:
      3     print(i,end=' ')
```

```
TypeError: 'int' object is not iterable
```

SEARCH STACK OVERFLOW

```
s = 18.346
for i in s:
    print(i,end=' ')
```

```
-----
TypeError                                Traceback (most recent call last)
<ipython-input-9-dccbbe26b6b2> in <module>
      1 s = 18.346
----> 2 for i in s:
      3     print(i,end=' ')
```

```
TypeError: 'float' object is not iterable
```

SEARCH STACK OVERFLOW

```
s = True
for i in s:
    print(i,end=' ')
```

```
-----
TypeError                                Traceback (most recent call last)
<ipython-input-10-c4524a4a62a5> in <module>
      1 s = True
----> 2 for i in s:
      3     print(i,end=' ')
```

TypeError: 'bool' object is not iterable

SEARCH STACK OVERFLOW

```
s = '057'
for i in s:
    print(i,end=' ')
```

0 5 7

```
s = "057"
for i in s:
    print(i,end=' ')
```

0 5 7

```
s = '''057'''
for i in s:
    print(i,end=' ')
```

0 5 7

✓ 0s completed at 1:22 PM

● ×