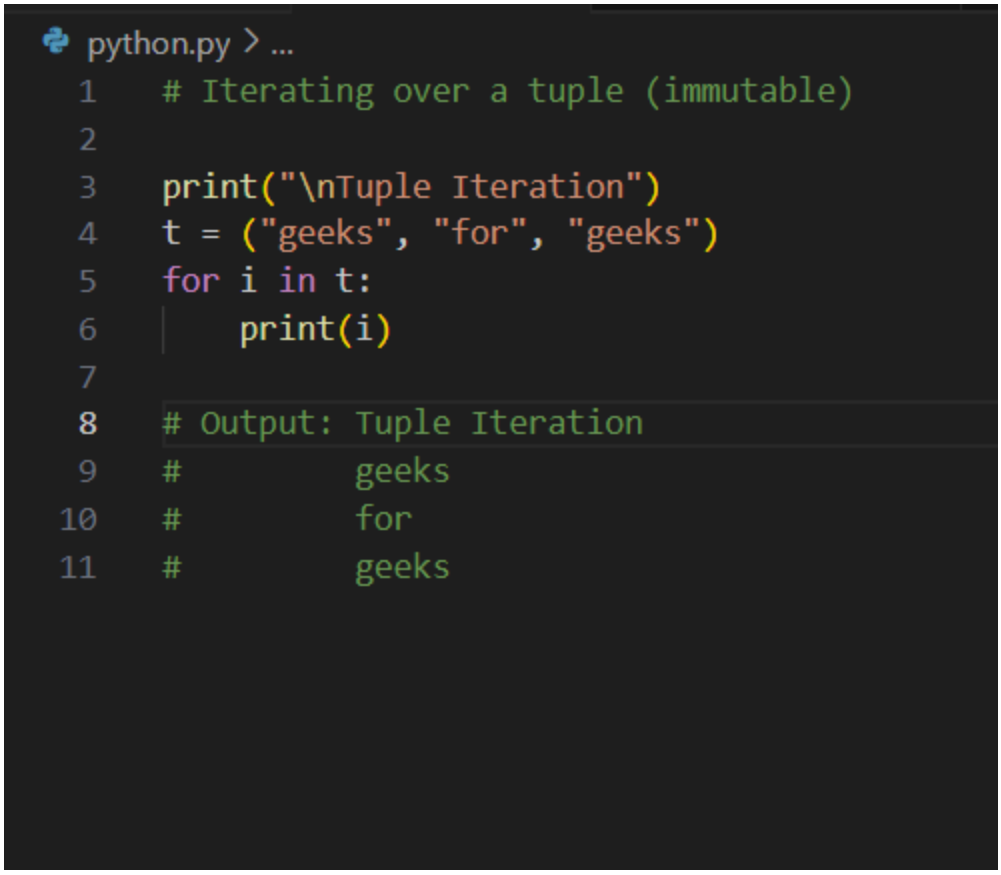
python.py > ...

```python
count = 0
while(count<3):
    count = count + 1
    print("Hello Geek")

# Output: Hello Geek
# Output: Hello Geek
# Output: Hello Geek
```

python.py > ...

```python
# Iterating over a list

print("List Iteration")
l = ["geeks", "for", "geeks"]
for i in l:
    print(i)

# Output: List Iteration
#         geeks
#         for
#         geeks
```


python.py > ...
# Iterating over a tuple (immutable)
print("\nTuple Iteration")
t = ("geeks", "for", "geeks")
for i in t:
print(i)
# Output: Tuple Iteration
# geeks
# for
# geeks

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```python
# Iterating over a String

print("\nString Iteration")
s = "Geeks"
for i in s:
    print(i)

# Output: String Iteration
#         G
#         e
#         e
#         k
#         s
```

python.py > ...

```python
# Iterating by index

list = ["geeks", "for", "geeks"]
for index in range(len(list)):
    print(list[index])

# Output: geeks
#         for
#         geeks
```

python.py > ...

```python
# Prints all letters except 'e' and 's'

for letter in 'geeksforgeeks':
    if letter == 'e' or letter == 's':
        continue

    print ('Current Letter :', letter )
    var = 10

# Current Letter : g
# Current Letter : k
# Current Letter : f
# Current Letter : o
# Current Letter : r
# Current Letter : g
# Current Letter : k
```

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```python
# break the loop as soon it sees 'e'
# or 's'

for letter in 'geeksforgeeks':
    if letter == 'e' or letter == 's':
        break

    print ('Current Letter :', letter )

# Current Letter : g
```

python.py > ...

```python
# Defining a function in python

def my_function(fname):
    print(fname + " Refsnes")


my_function("Emil")
my_function("Tobias")
my_function("Linus")

# Emil Refsnes
# Tobias Refsnes
# Linus Refsnes
```

python.py > ...

```python
# Defining a function in python

def my_function (country = "Norway" ):
    print("I am from " + country)


my_function("Sweden")
my_function("India")
my_function()
my_function("Brazil")

# I am from Sweden
# I am from India
# I am from Norway
# I am from Brazil
```

python.py > ...

```python
# Defining a function in python

def my_function (food):
    for x in food:
        print(x)


fruits = ["apple", "banana", "cherry"]
my_function(fruits)

# apple
# banana
# cherry
```

python.py > ...

```python
# Defining a function in python

def my_function(x):
    return 5 * x



print(my_function(3))
print(my_function(5))
print(my_function(9))

# 15
# 25
# 45
```

python.py > ...

```python
# Create a Class in python

class MyClass:
    x = 5



p1 = MyClass()
print(p1.x)

# 5
```

python.py > ...

```python
# init function in class in python

class Person:
    def __init__(self, name, age):
        self.name = name
        self.age = age

p1 = Person("John", 36)
print(p1.name)
print(p1.age)

# John
# 36
```

python.py > ...

```python
# Object Methods in python

class Person:
    def __init__(self, name, age):
        self.name = name
        self.age = age
    def myfunc(self):
        print("Hello my name is " + self.name)

p1 = Person("John", 36)
p1.myfunc()

# Hello my name is John
```