

1- Write a Python program to print all even numbers from a given list of numbers in the same order. Stop printing if any number that comes after 237 in the sequence is encountered.

Sample

numbers list :

```
numbers = [ 386, 462, 47, 418, 907, 344, 236, 375, 823, 566, 597, 978, 328, 615, 953, 345,
399, 162, 758, 219, 237, 412, 566, 731, 210, 912, 216, 244, 896, 101, 867, 355, 430 ]
```

Code:

```
numbers = [ 386, 462, 47, 418, 907, 344, 236, 375,
823, 566, 597, 978, 328, 615, 953, 345,
399, 162, 758, 219, 237, 412, 566, 731,
210, 912, 216, 244, 896, 101, 867, 355, 430 ]
```

for i in numbers:

 if i==237:

 break

 else:

 if i%2==0:

 print(i,end=" ")

Output:

```
386 462 418 344 236 566 978 328 162 758
```

2- Write a python program to get the path and name of the file that is currently executing

Code:

```
import inspect
print(inspect.getfile(inspect.currentframe()))
```

Output:

```
/tmp/ipython-input-2874654391.py
```

3-Pattern

Code:

```
for i in range(1,6):
    for s in range(5,i-1,-1):
        print(end=" ")
    for j in range(i,0,-1):
        print(j,end="")
    for k in range(2,i+1):
        print(k,end="")
    print()
```

Output:

```
1
212
32123
4321234
543212345
```

```
1
212
32123
4321234
543212345
```

4- Write a code to accept a number & print its digits in words .

Code:

```
num=int(input("Enter a number: "))
def num_to_words(a):
    case = {
        0:"Zero",
        1:"One",
        2:"Two",
        3:"Three",
        4:"Four",
        5:"Five",
        6:"Six",
        7:"Seven",
        8:"Eight",
        9:"Nine",
    }
    print(case[a],end=" ")
```

```
for i in str(num):
    num_to_words(int(i))
```

Output:

Enter a number: 123

One Two Three