

Q.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 ]
```

expected output:

386 462 418 344 236 566 978 328 162 758

```
l1 = [ 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 l1:
    if i == 237: break
    if i%2==0: print(i, end=" ")
```

```
"D:\cdac\4 Python\Practice\venv\Scripts\python.exe" "D:\cdac\4 Python\Practice\.ipynb_checkpoints\Demo.py"
386 462 418 344 236 566 978 328 162 758
Process finished with exit code 0
```

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

```
import os
print("File name: ", os.path.basename(__file__))
print("File path: ", os.path.abspath(__file__))
```

```
"D:\cdac\4 Python\Practice\venv\Scripts\python.exe" "D:\cdac\4 Python\Practice\.ipynb_checkpoints\Demo.py"
File name: Demo.py
File path: D:\cdac\4 Python\Practice\.ipynb_checkpoints\Demo.py
```

Q.3) pattern

```
1
212
32123
```

4321234

543212345

```
n = 5

for i in range(1, n + 1):

    print(" " * (n - i), end="")

    for j in range(i, 0, -1):
        print(j, end="")

    for j in range(2, i + 1):
        print(j, end="")

    print()
```

```
"D:\cdac\4 Python\Practice\venv\Scripts\python.exe" "D:\cdac\4 Python\Practice\.ipynb_checkpoints\Demo.py"
1
212
32123
4321234
543212345
```

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

Ex: 321

Three

Two

One

```
n = int(input("Enter n: "))
words = ["zero", "one",
"two", "three", "four", "five", "six", "seven", "eight", "nine"]
l1=[]
while n>0:
    r = n % 10
    n = n // 10
    l1.insert(0, r)

for i in l1: print(words[i])
```

```
"D:\cdac\4 Python\Practice\venv\Scripts\python.exe" "D:\cdac\4 Python\Practice\.ipynb_checkpoints\Demo.py"
Enter n: 1234
one
two
three
four
```