

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
```

Answer:

```
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 num in numbers:

 if num == 237:

 break

 if num % 2 == 0:

 print(num,end=" ")

```
D:\User\Desktop\Python\.venv\Scripts\python.exe "D:\User\Desktop\Python\Day2 Test\Q1.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

Answer:

import os

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

print("File path:", os.path.abspath(__file__))

```
D:\User\Desktop\Python\.venv\Scripts\python.exe "D:\User\Desktop\Python\Day2 Test\Q2.py"
File name: Q2.py
File path: D:\User\Desktop\Python\Day2 Test\Q2.py
```

Q.3) pattern

1

212

32123

4321234

543212345

Answer:

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:\User\Desktop\Python\.venv\Scripts\python.exe "D:\User\Desktop\Python\Day2 Test\Q3.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

Answer:

```
num = input("Enter a number: ")
```

```
digit_words = {
    '0': 'Zero',
    '1': 'One',
    '2': 'Two',
```

```
'3': 'Three',  
'4': 'Four',  
'5': 'Five',  
'6': 'Six',  
'7': 'Seven',  
'8': 'Eight',  
'9': 'Nine'  
}
```

for digit in num:

print(digit_words[digit])

```
D:\User\Desktop\Python\.venv\Scripts\python.exe "D:\User\Desktop\Python\Day2 Test\Q4.py"  
Enter a number: 321  
Three  
Two  
One
```