

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
```