

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

```
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
    elif i % 2 == 0:
        print(i)

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

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__))

-----
NameError                                 Traceback (most recent call last)
/tmp/ipython-input-1540295955.py in <cell line: 0>()
      1 import os
----> 2 print("File name:", os.path.basename(__file__))
      3 print("File path:", os.path.abspath(__file__))

NameError: name '__file__' is not defined
```

Next steps: [Explain error](#)

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()

1
212
32123
4321234
543212345
```

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

Ex: 321

Three Two One

```
a = input("Enter a number: ")
words ={'0':'Zero', '1':'One', '2':'Two', '3':'Three', '4':'Four', '5':'Five', '6':'Six', '7':'Seven', '8':'Eight', '9':'Nine'}
for i in a:
    print(words[i])
```

```
Enter a number: 69
Six
Nine
```