

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)
```

```
C:\msys64\ucrt64\bin\python.exe "D:\DBDA CADC\Python\test\Test 2.py"
```

386

462

418

344

236

566

978

328

162

758

Process finished with exit code 0

Activate Windows

Go to Settings to activate Windows

```
def get_current_file_details():

    full_path = os.path.abspath(__file__)
    file_name = os.path.basename(full_path)
    file_dir = os.path.dirname(full_path)

    print(f"Full Path: {full_path}")
    print(f"File Name: {file_name}")
    print(f"Directory: {file_dir}")

get_current_file_details()
```

```
Q.3) pattern
  1
 212
32123
4321234
543212345
```

```
n = 5
for i in range(1, n + 1):
    for s in range(n - i):
        print(" ", end="")

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

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

    print()
```

```
C:\msys64\ucrt64\bin\python.exe "D:\DBDA CAD\Python\test\Test 2.py"
  1
 212
32123
4321234
543212345

Process finished with exit code 0
```

```
C:\msys64\ucrt64\bin\python.exe "D:\DBDA CAD\Python\test\Test 2.py"
Full Path: D:\DBDA CAD\Python\test\Test 2.py
File Name: Test 2.py
Directory: D:\DBDA CAD\Python\test

Process finished with exit code 0
```

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

Ex: 321

Three

Two

one

```
def num_to_words():
    num_str = input("Enter a number: ")
    map = {
        '0': 'Zero', '1': 'One', '2': 'Two', '3': 'Three'
    }
    result = []
    for num in num_str:
        if num in map:
            result.append(map[num])
        else:
            print(f"Invalid", num)
    print(" , ".join(result))

num_to_words()
```

```
C:\msys64\ucrt64\bin\python.exe "D:\DBDA CAD\Python\test\Test 2.py"
Enter a number: 321
Three , Two , One

Process finished with exit code 0
|
```