

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 Window

```
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 CADC\Python\test\Test 2.py"  
1  
212  
32123  
4321234  
543212345  
  
Process finished with exit code 0
```

```
C:\msys64\ucrt64\bin\python.exe "D:\DBDA CADC\Python\test\Test 2.py"  
Full Path: D:\DBDA CADC\Python\test\Test 2.py  
File Name: Test 2.py  
Directory: D:\DBDA CADC\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 CADC\Python\test\Test 2.py"
Enter a number: 321
Three , Two , One
```

```
Process finished with exit code 0
```

```
|
```