

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

Code:

```
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:
```

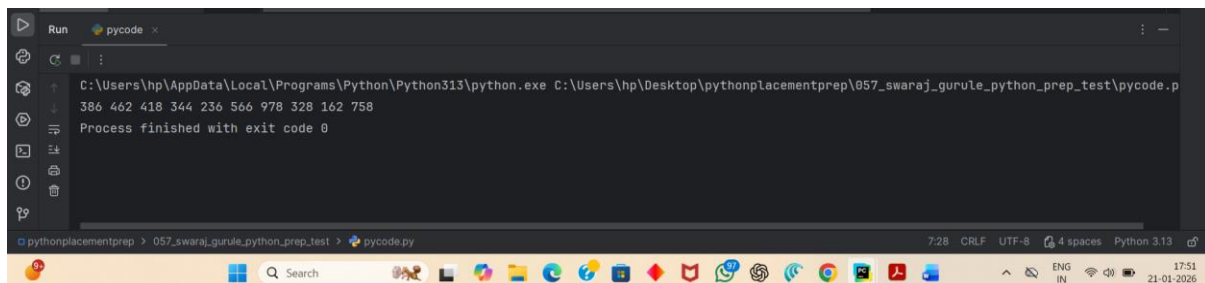
```
    if num == 237:
```

```
        break
```

```
    if num % 2 == 0:
```

```
        print(num, end=" ")
```

Output:

A screenshot of a Python IDE window titled 'pycode'. The main editor area shows the following code:

```
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=" ")
```

The 'Run' console on the left shows the command: `C:\Users\hp\AppData\Local\Programs\Python\Python313\python.exe C:\Users\hp\Desktop\pythonplacementprep\057_swaraj_gurule_python_prep_test\pycode.p`. Below the command, it displays the output: `386 462 418 344 236 566 978 328 162 758` and the message: `Process finished with exit code 0`. The bottom status bar indicates the file is 'pythonplacementprep > 057_swaraj_gurule_python_prep_test > pycode.py', the time is 7:28, and the encoding is UTF-8.

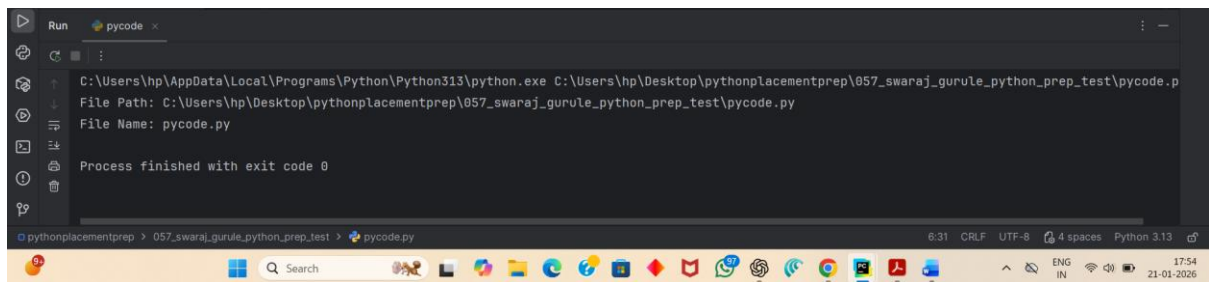
Q.2) Write a python program to get the path and name of the file that is currently executing

Code:

```
import os
file_path = os.path.abspath(__file__)
file_name = os.path.basename(file_path)

print("File Path:", file_path)
print("File Name:", file_name)
```

Output:



```
Run pycode x
C:\Users\hp\AppData\Local\Programs\Python\Python313\python.exe C:\Users\hp\Desktop\pythonplacementprep\057_swaraj_gurule_python_prep_test\pycode.p
File Path: C:\Users\hp\Desktop\pythonplacementprep\057_swaraj_gurule_python_prep_test\pycode.py
File Name: pycode.py
Process finished with exit code 0
```

The screenshot shows a Python IDE window titled 'pycode'. The output pane displays the following text: 'C:\Users\hp\AppData\Local\Programs\Python\Python313\python.exe C:\Users\hp\Desktop\pythonplacementprep\057_swaraj_gurule_python_prep_test\pycode.p', 'File Path: C:\Users\hp\Desktop\pythonplacementprep\057_swaraj_gurule_python_prep_test\pycode.py', 'File Name: pycode.py', and 'Process finished with exit code 0'. The status bar at the bottom indicates the file is 'pythonplacementprep > 057_swaraj_gurule_python_prep_test > pycode.py', the time is 6:31, the encoding is CRLF, the file size is 4 spaces, and the Python version is 3.13. The system tray at the bottom shows the date and time as 17:54 on 21-01-2026.

Q.3) pattern

1

212

32123

4321234

543212345

Code:

```
n = 5
```

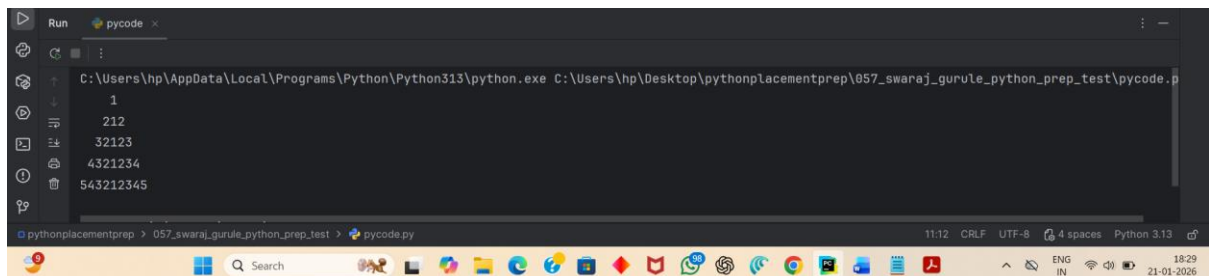
```
for i in range(1, n + 1):  
    print(" " * (n - i), end="")
```

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

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

```
    print()
```

Output:



```
Run pycode x  
C:\Users\hp\AppData\Local\Programs\Python\Python313\python.exe C:\Users\hp\Desktop\pythonplacementprep\057_swaraj_gurule_python_prep_test\pycode.p  
1  
212  
32123  
4321234  
543212345  
pythonplacementprep > 057_swaraj_gurule_python_prep_test > pycode.py 11:12 CRLF UTF-8 4 spaces Python 3.13 18:29 21-01-2026
```

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

Ex: 321

Three

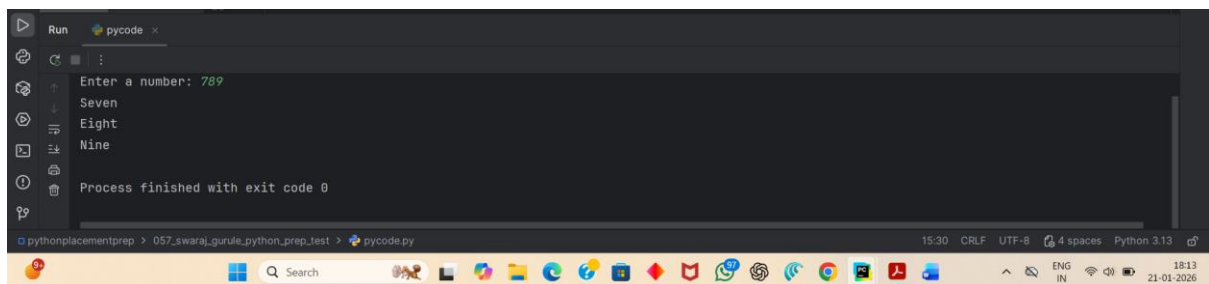
Two

One

Code:

```
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])
```

Output:



```
Run pycode x
Enter a number: 789
Seven
Eight
Nine
Process finished with exit code 0
pythonplacementprep > 057_swaraj_gurule_python_prep_test > pycode.py
15:30 CRLF UTF-8 4 spaces Python 3.13
```