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:

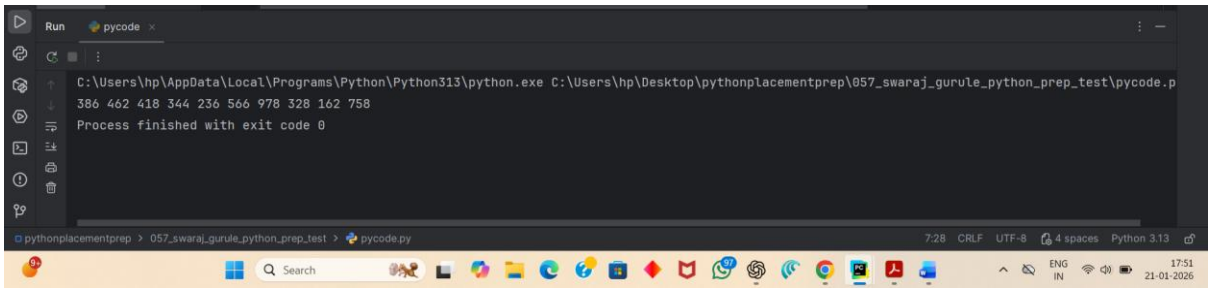
386 462 418 344 236 566 978 328 162 758

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:



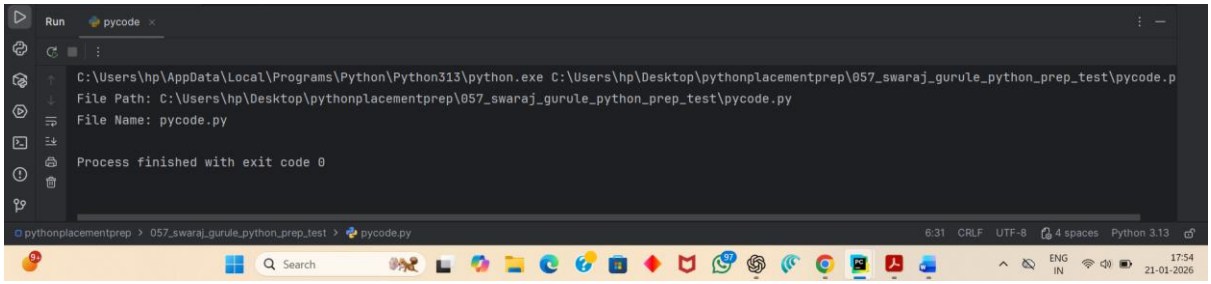
Q.2) Write a python program to get the path and name of the file that is currently executing

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:



Q.3) pattern

1

212

32123

4321234

543212345

Code:

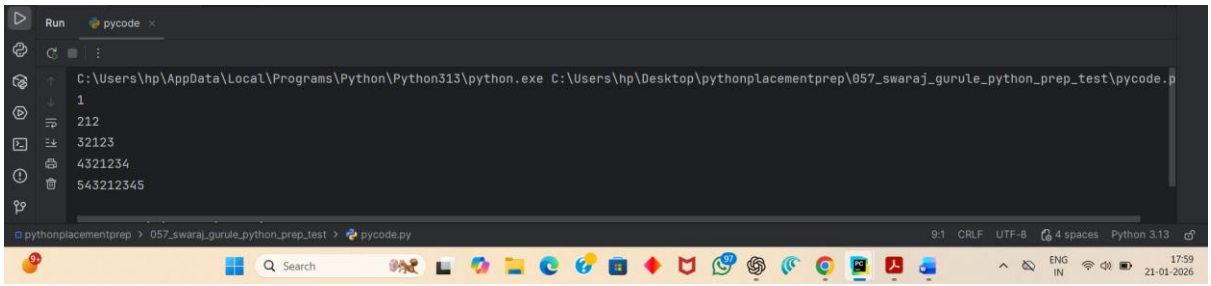
```
n = 5

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

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

    print()
```

Output:



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: