PYTHON

'''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=" ")
```

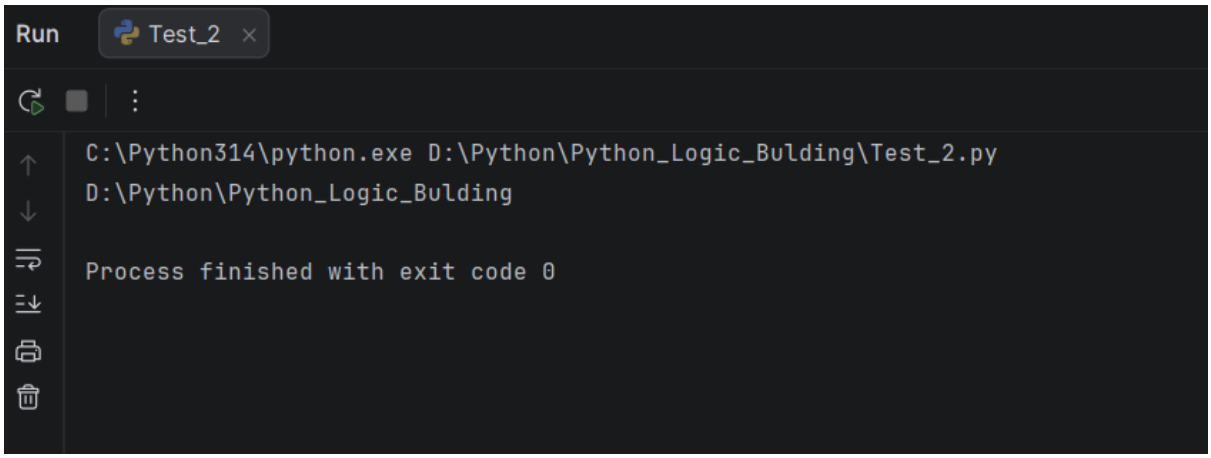
Output:

```
C:\Python314\python.exe D:\Python\Python_Logic_Bulding\Test_2.py
386 462 418 344 236 566 978 328 162 758
Process finished with exit code 0
```

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

Code:-

```
import os


print(os.getcwd())
```

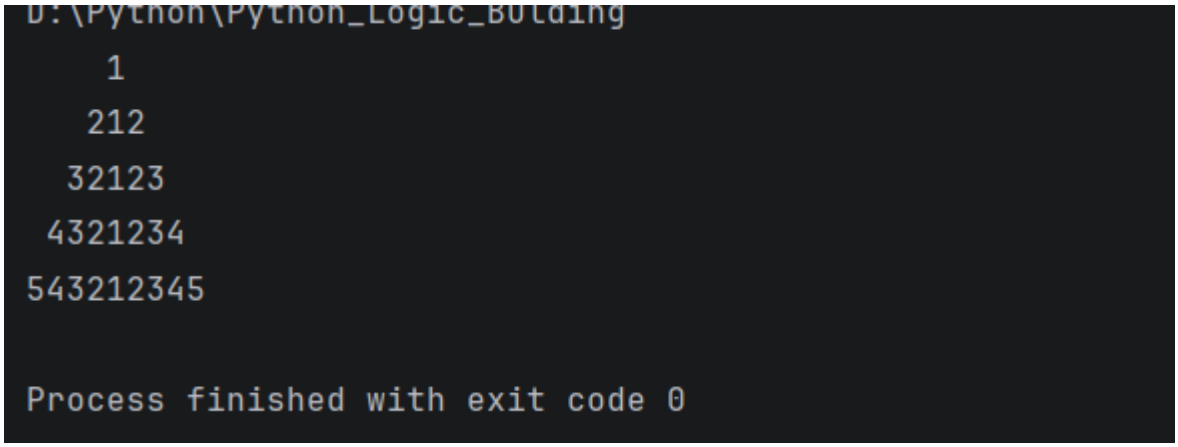


'''Q.3) pattern

```
  1
 212
32123
4321234
543212345
'''

Code:-

rows = 5


for i in range(1, rows + 1):
    print(
```

```
        " " * (rows - i) +
        "".join(str(j) for j in range(i, 0, -1)) +
        "".join(str(j) for j in range(2, i + 1))
    )
```

Output:



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

Ex: 321

'''

Code:-

```
num = int(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 str(num):
    print(digit_words[digit])
```

Output: