

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.

```
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 n in numbers:
```

```
    if n == 237:
```

```
        break
```

```
    if n % 2 == 0:
```

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

```
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

```
import os
```

```
fp=os.path.abspath(__file__)
```

```
fn=os.path.basename(__file__)
```

```
print("File path:", fp)
```

```
print("File name:", fn)
```

```
File path: C:\Users\admin\PycharmProjects\pythonProject1\day2.py
File name: day2.py
```

Q.3) pattern

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()
```

```
  1
 212
32123
4321234
543212345
```

Q.4) Write a code to accept a number & print its digits in words . Ex: 321 Three Two One

```
n=input("Enter a number: ")
```

```
words = {
    '0': 'Zero',
    '1': 'One',
    '2': 'Two',
    '3': 'Three',
    '4': 'Four',
    '5': 'Five',
    '6': 'Six',
    '7': 'Seven',
    '8': 'Eight',
    '9': 'Nine'}
```

```
for d in n:
    print(words[d])
```

```
Enter a number: 545
Five
Four
Five
```