

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    else:
```

```
    if i % 2 == 0:
```

```
        print(i)
```

o/p:

```
... 386
    462
    418
    344
    236
    566
    978
    328
    162
    758
```

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

```
import os
print("File name:",
os.path.basename(__file__))
print("File path:",
os.path.abspath(__file__))
```

Q.3) pattern 1 212 32123 4321234 543212345 Two One

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 . 321 Three Two One

```
num = 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 digit in num:
```

```
print(words[digit])
```

```
... Enter a number: 321  
    Three  
    Two  
    One
```