

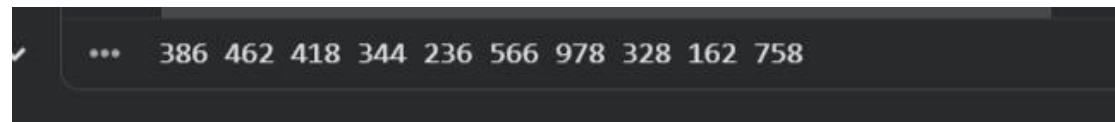
Q.1) Write a Python program to print all even numbers from a given list of numbers in the same order. Stop printing if any number that comes after 237 in the sequence is encountered.

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:  
        if i % 2 == 0:  
            print(i, end=" ")  
        else:  
            continue  
    else:  
        Break
```

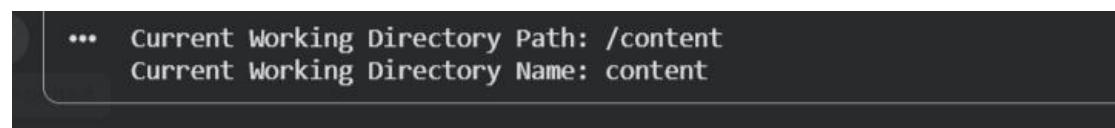


```
... 386 462 418 344 236 566 978 328 162 758
```

A screenshot of a terminal window. The command 'python3' is entered at the prompt, followed by the path to the script 'even.py'. The output shows the even numbers from the list, stopping at 237. The terminal window has a dark background with light-colored text.

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

```
import os  
  
file_path = os.getcwd()  
file_name = os.path.basename(file_path)  
  
print(f"Current Working Directory Path: {file_path}")  
print(f"Current Working Directory Name: {file_name}")
```



```
... Current Working Directory Path: /content  
Current Working Directory Name: content
```

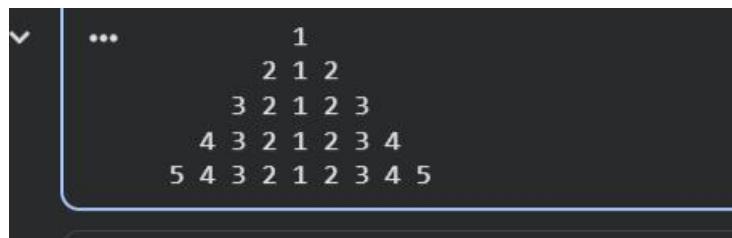
A screenshot of a terminal window. The command 'python3' is entered at the prompt, followed by the path to the script 'current_directory.py'. The output shows the current working directory path and name. The terminal window has a dark background with light-colored text.

Q. 3) pattern

```
1  
212  
32123  
4321234  
543212345
```

n = 5

```
for i in range(1, n + 1):  
    space = (2 * n - 1) - 2 * (i - 1)  
    print(" " * space, end="")  
  
    for j in range(i, 0, -1):  
        print(j, end=" ")  
  
    for k in range(2, i + 1):  
        print(k, end=" ")  
  
    print()
```



```
...  
1  
2 1 2  
3 2 1 2 3  
4 3 2 1 2 3 4  
5 4 3 2 1 2 3 4 5
```

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

```
number = int(input("Enter the Number:- "))
```

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

```
digits = str(number)  
for i in digits:  
    print(digit_words[int(i)], end=" ")
```



```
... Enter the Number:- 123  
One Two Three
```