

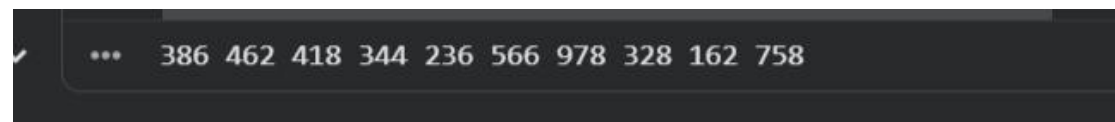
Q.1) Write a Python program to print all even numbers from a given list of numbers in the same order. Stop printing if any number that comes after 237 in the sequence is encountered.

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
```

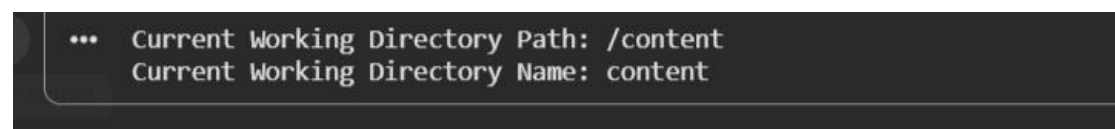
A terminal window with a dark background. It shows a prompt '...' followed by the output '386 462 418 344 236 566 978 328 162 758'.

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

```
import os

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}")
```

A terminal window with a dark background. It shows a prompt '...' followed by two lines of output: 'Current Working Directory Path: /content' and 'Current Working Directory Name: content'.

Q. 3) pattern

```
1
212
32123
4321234
543212345
```

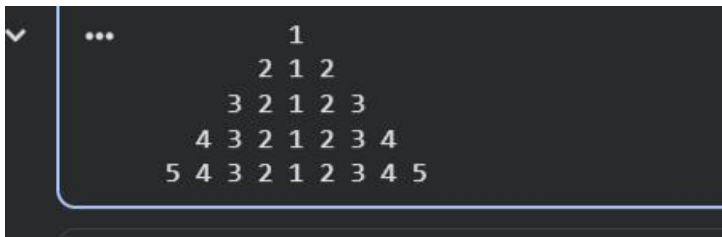
```
n = 5
```

```
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
```