

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:

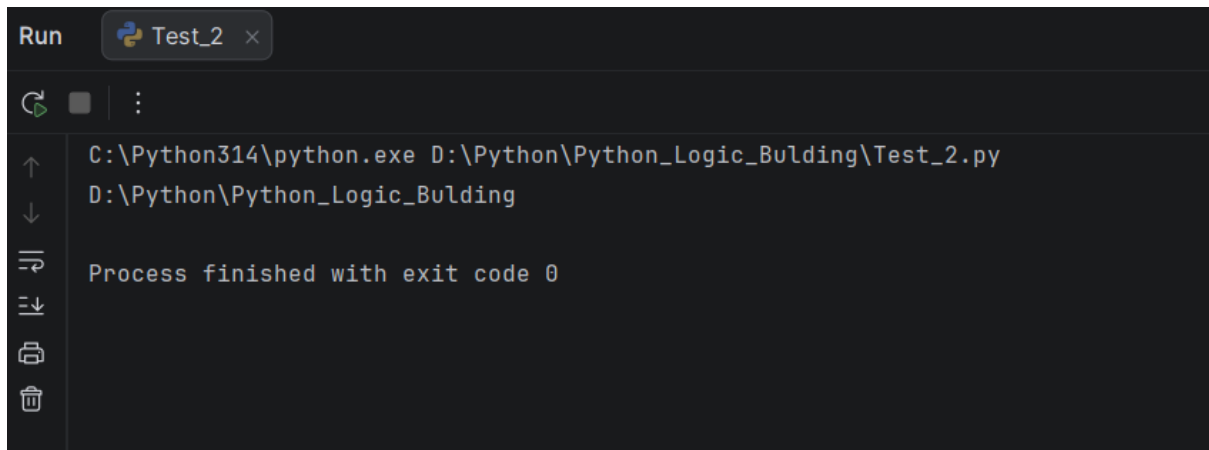
```
C:\Python314\python.exe D:\Python\Python_Logic_Bulding\Test_2.py
386 462 418 344 236 566 978 328 162 758
Process finished with exit code 0
|
```

'''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())
```



The screenshot shows a Python IDE window titled 'Run' with a sub-tab 'Test_2'. The console output displays the command 'C:\Python314\python.exe D:\Python\Python_Logic_Bulding\Test_2.py' and the result 'D:\Python\Python_Logic_Bulding'. Below this, it states 'Process finished with exit code 0'. The left sidebar contains icons for running, debugging, and other IDE functions.

'''Q.3) pattern

1

212

32123

4321234

543212345

'''

Code:-

```
rows = 5
```

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

```
    print(
```

```

    " " * (rows - i) +

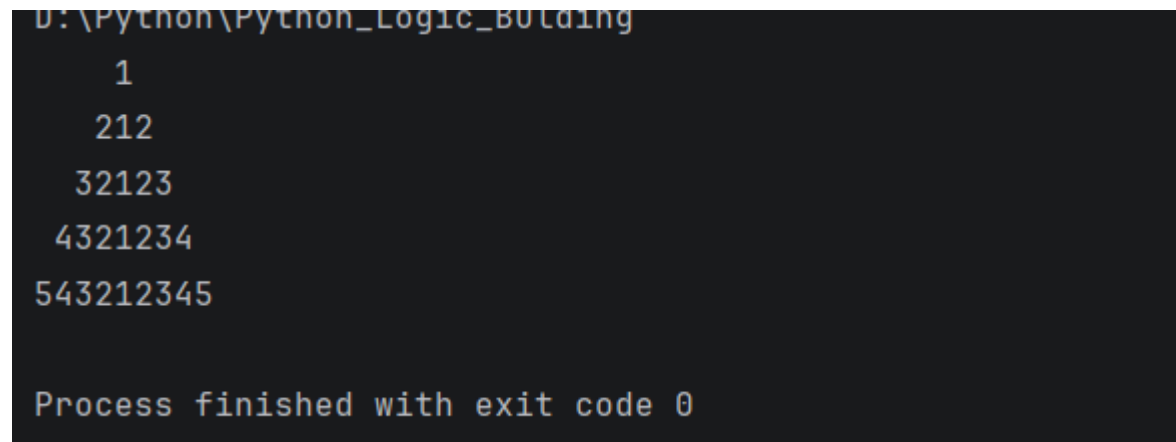
    "".join(str(j) for j in range(i, 0, -1)) +

    "".join(str(j) for j in range(2, i + 1))

)

```

Output:



```

D:\Python\Python_LoGic_Building
1
212
32123
4321234
543212345

Process finished with exit code 0

```

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

Ex: 321

'''

Code:-

```
num = int(input("Enter a number: "))
```

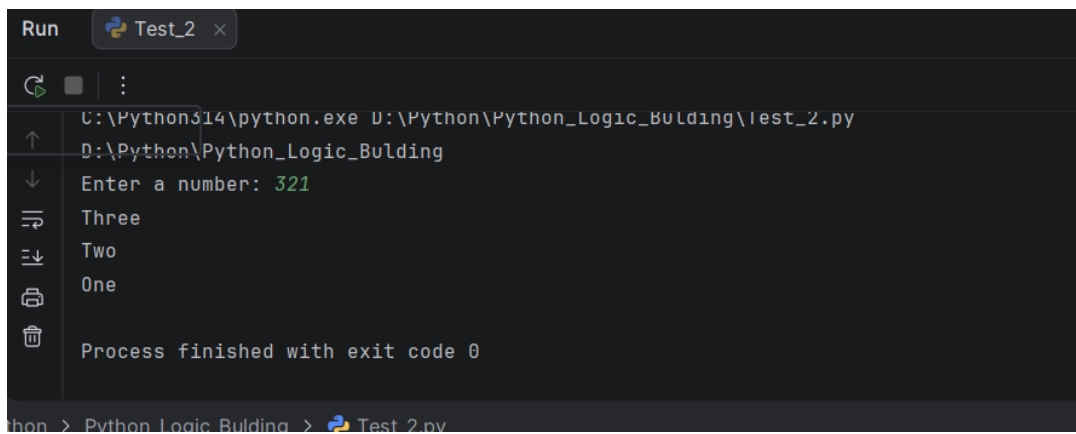
```
digit_words = {
```

```
    '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:



```
Run Test_2 x  
C:\Python314\python.exe D:\Python\Python_Logic_Building\Test_2.py  
D:\Python\Python_Logic_Building  
Enter a number: 321  
Three  
Two  
One  
Process finished with exit code 0  
Python > Python_Logic_Building > Test_2.py
```