

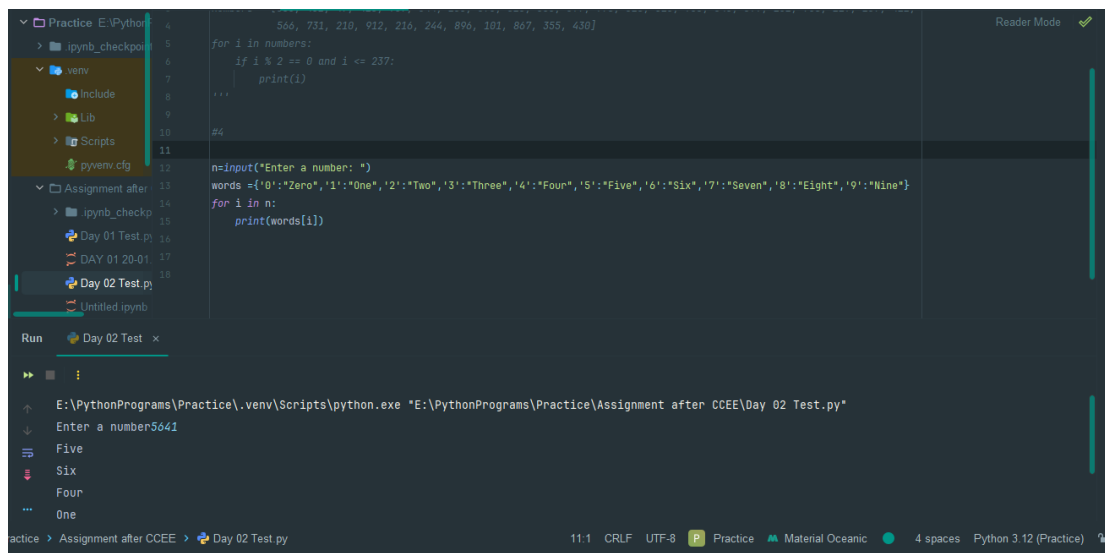
Q1.

```
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 % 2 == 0 and i <= 237:
```

```
        print(i)
```



The screenshot shows a Python IDE with a file explorer on the left, a code editor in the center, and a run console at the bottom. The code editor contains the following Python code:

```
566, 731, 210, 912, 216, 244, 896, 101, 867, 355, 430]

for i in numbers:
    if i % 2 == 0 and i <= 237:
        print(i)
...
#4

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 i in n:
    print(words[i])
```

The run console shows the output of the code:

```
Run Day 02 Test x
>>>
E:\PythonPrograms\Practice\.venv\Scripts\python.exe "E:\PythonPrograms\Practice\Assignment after CCEE\Day 02 Test.py"
Enter a number5641
Five
Six
Four
One
```

Q2.

```
import os
```

```
current_file=os.path.realpath(__file__)
```

```
print("Current File:", current_file)
```

The screenshot shows a code editor with two tabs: 'Day 01 Test.py' and 'Day 02 Test.py'. The 'Day 02 Test.py' tab is active, displaying the following Python code:

```
#2
import os

current_file=os.path.realpath(__file__)
print("Current File:", current_file)

#3
'''
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()
'''
```

The output window at the bottom shows the command executed: `E:\PythonPrograms\Practice\.venv\Scripts\python.exe "E:\PythonPrograms\Practice\Assignment after CCEE\Day 02 Test.py"`. The output is: `Current File: E:\PythonPrograms\Practice\Assignment after CCEE\Day 02 Test.py`. The process finished with exit code 0.

Q3.

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()
```

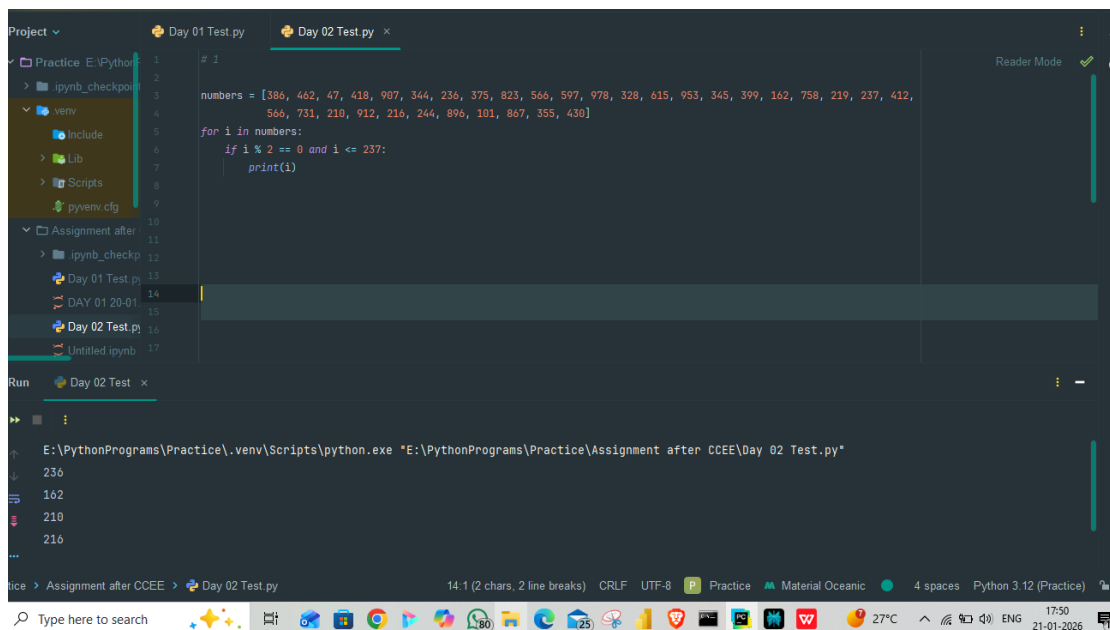
The screenshot shows the same code editor as the first image, but the output window now displays the pattern generated by the code for n=5:

```
1
212
32123
4321234
543212345
```

The status bar at the bottom indicates the file is 'Day 02 Test.py', the encoding is 'UTF-8', the editor is 'Practice', the theme is 'Material Oceanic', the font size is '4 spaces', and the Python version is 'Python 3.12 (Practice)'.

Q4.

```
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 i in n:
    print(words[i])
```



The screenshot shows a Python IDE with a project named 'Practice'. The file explorer on the left shows a directory structure with files like 'ipynb\_checkpoint', 'venv', 'include', 'Lib', 'Scripts', 'pyenv.cfg', 'Assignment after', 'ipynb\_checkpoint', 'Day 01 Test.py', 'DAY 01 20-01', 'Day 02 Test.py', and 'Untitled ipynb'. The main editor window displays a Python script with the following code:

```
1 # 1
2
3 numbers = [386, 462, 47, 418, 907, 344, 236, 375, 823, 566, 597, 978, 328, 615, 953, 345, 399, 162, 758, 219, 237, 412,
4           566, 731, 210, 912, 216, 244, 896, 101, 867, 355, 430]
5
6 for i in numbers:
7     if i % 2 == 0 and i <= 237:
8         print(i)
```

The 'Run' panel at the bottom shows the execution command: `E:\PythonPrograms\Practice\.venv\Scripts\python.exe "E:\PythonPrograms\Practice\Assignment after CCEE\Day 02 Test.py"`. The output of the script is displayed below the command:

```
236
162
210
216
```

The status bar at the bottom indicates the file is 'Day 02 Test.py' with 14:1 (2 chars, 2 line breaks), CRLF, UTF-8 encoding, and is using Python 3.12 (Practice).