

```
1. 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,end=' ')
```



```
Run 1 x
"C:\CDAC DBDA\Python\PythonLogicTest2\.venv\Scripts\python.exe" "C:\CDAC DBDA\Python\PythonLogicTest2\1.py"
386 462 418 344 236 566 978 328 162 758
Process finished with exit code 0
```

2.

```
import os
filename = input("Enter the file name: ")
filePath = os.path.abspath(__file__)
print(filePath)
if os.path.exists(filename):
    print(f"The file {filename} exists.")
else:
    print(f"The file {filename} does not exist.")
```



```
Run 2 x
"C:\CDAC DBDA\Python\PythonLogicTest2\.venv\Scripts\python.exe" "C:\CDAC DBDA\Python\PythonLogicTest2\2.py"
Enter the file name: abc
C:\CDAC DBDA\Python\PythonLogicTest2\2.py
The file abc does not exist.
Process finished with exit code 0
```

3.

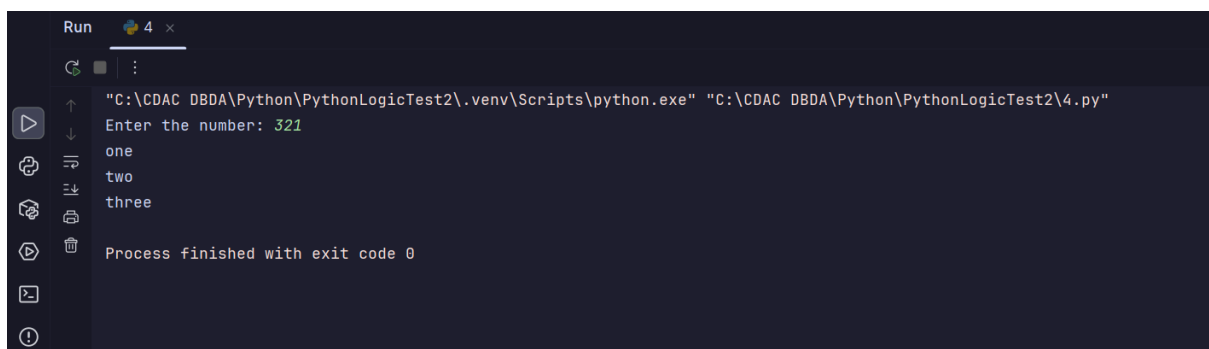
```
n = 5
for i in range(1, n + 1):
    print(" " * (n - i), end="")
    for j in range(i, 0, -1):
        print(j, end="")
    for j in range(2, i + 1):
        print(j, end="")
    print()
```



The screenshot shows a Python IDE window titled "Run" with a file icon and a close button. The command line shows the execution of a Python script: "C:\CDAC DBDA\Python\PythonLogicTest2\.venv\Scripts\python.exe" "C:\CDAC DBDA\Python\PythonLogicTest2\3.py". The output of the program is displayed in the console, showing a pattern of numbers: 1, 212, 32123, 4321234, and 543212345. The process finished with exit code 0.

4.

```
dict_num = { 0:'zero',1:'one',2:'two',3:'three',4:'four',5:'five',6:'six',7:'seven',8:'eight',9:'nine'}
num = int(input("Enter the number: "))
if num == 0:
    print("zero")
else:
    while num > 0:
        digit = num % 10
        x = dict_num[digit]
        num = num // 10
        print(x)
```



The screenshot shows a Python IDE window titled "Run" with a file icon and a close button. The command line shows the execution of a Python script: "C:\CDAC DBDA\Python\PythonLogicTest2\.venv\Scripts\python.exe" "C:\CDAC DBDA\Python\PythonLogicTest2\4.py". The output of the program is displayed in the console, showing the word representation of the number 321: one, two, three. The process finished with exit code 0.