

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 range(len(numbers)):
    if numbers[i] == 237:
        break
    elif numbers[i] % 2 == 0:
        print(numbers[i],end=" ")
```

Output:

```
"D:\CDAC\Python programs\venv\Scripts\python.exe" "D:\CDAC\Python programs\demo.py"
386 462 418 344 236 566 978 328 162 758
Process finished with exit code 0
```

Q2.

```
import os

file_path = os.path.abspath(__file__)
file_name = os.path.basename(__file__)

print("File path:", file_path)
print("File name:", file_name)
```

Output:

```
"D:\CDAC\Python programs\venv\Scripts\python.exe" "D:\CDAC\Python programs\demo.py"
File path: D:\CDAC\Python programs\demo.py
File name: demo.py

Process finished with exit code 0
```

Q3.

```
n = 6
for i in range(1, n):
    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()
```

Output:

```
"D:\CDAC\Python programs\venv\Scripts\python.exe" "D:\CDAC\Python programs\demo.py"
    1
    212
    32123
    4321234
    543212345

Process finished with exit code 0
```

Q4.

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

```
digit = [int(d) for d in str(n)]
```

```
for i in range(len(digit)):
```

```
    if digit[i] == 1:
        print("One")
    elif digit[i] == 2:
        print("Two")
    elif digit[i] == 3:
        print("Three")
    elif digit[i] == 4:
        print("Four")
    elif digit[i] == 5:
```

```
    print("Five")
elif digit[i] == 6:
    print("Six")
elif digit[i] == 7:
    print("Seven")
elif digit[i] == 8:
    print("Eight")
elif digit[i] == 9:
    print("Nine")
elif digit[i] == 0:
    print("Zero")
```

Output:

```
"D:\CDAC\Python programs\venv\Scripts\python.exe" "D:\CDAC\Python programs\demo.py"
Enter a number:321
Three
Two
One
```