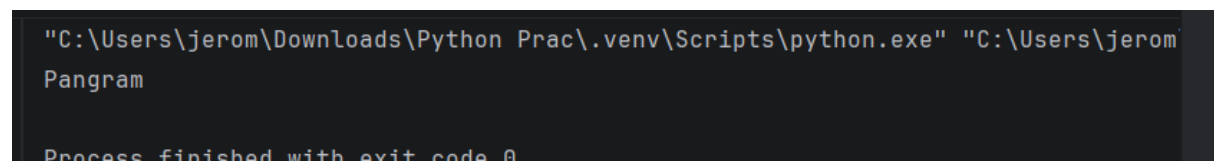


Q1.

```
def pangram(sentence):  
    sentence = sentence.lower()  
    letters = set("abcdefghijklmnopqrstuvwxyz")  
    if letters.issubset(sentence):  
        print("Pangram")  
    else:  
        print("Not a Pangram")
```

```
pangram("The quick brown fox jumps over the lazy dog")
```

Output:



```
"C:\Users\jerom\Downloads\Python Prac\.venv\Scripts\python.exe" "C:\Users\jerom\Downloads\Python Prac\pangram.py"  
Pangram  
Process finished with exit code 0
```

Q2.

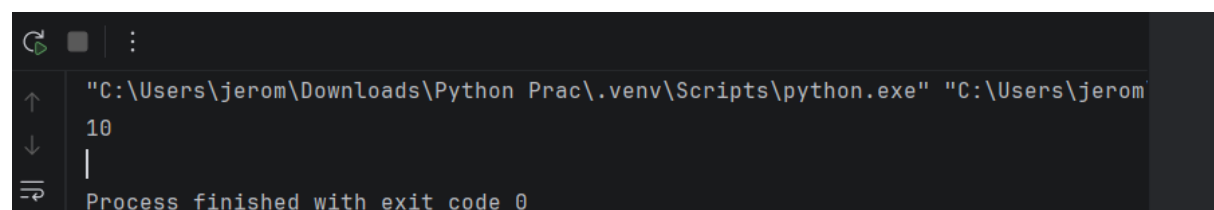
```
num=1234
```

```
sum=0
```

```
while num > 0 :  
    digit=num%10  
    sum+=digit  
    num=num//10
```

```
print(sum)
```

Output:



```
"C:\Users\jerom\Downloads\Python Prac\.venv\Scripts\python.exe" "C:\Users\jerom\Downloads\Python Prac\sum_digits.py"  
10  
Process finished with exit code 0
```

Q3.

```
lst=[23,6,90]
```

```
lst.sort()
```

```
print(lst)
```

Output:

A terminal window with a dark background. The command prompt shows the path to a Python script: "C:\Users\jerom\Downloads\Python Prac\.venv\Scripts\python.exe" "C:\Users\jerom\Downloads\Python Prac\q3.py". The output of the script is "[6, 23, 90]". Below the output, it says "Process finished with exit code 0".

```
"C:\Users\jerom\Downloads\Python Prac\.venv\Scripts\python.exe" "C:\Users\jerom\Downloads\Python Prac\q3.py"
[6, 23, 90]
Process finished with exit code 0
```

Q4.

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

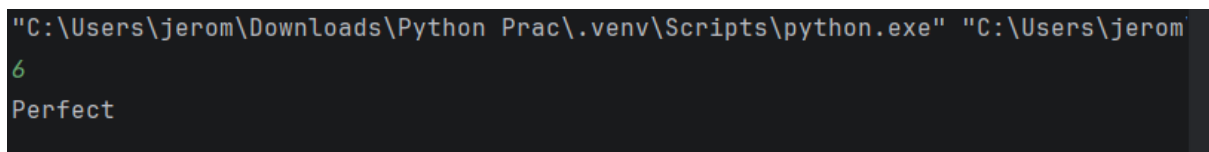
```
divisor=[int(num%i) for i in range(1,num)]
```

```
print(divisor)
```

```
if num==sum(divisor)/2:
```

```
    print("Perfect Number")
```

Output:

A terminal window with a dark background. The command prompt shows the path to a Python script: "C:\Users\jerom\Downloads\Python Prac\.venv\Scripts\python.exe" "C:\Users\jerom\Downloads\Python Prac\q4.py". The user has entered the number 6. The output of the script is "Perfect".

```
"C:\Users\jerom\Downloads\Python Prac\.venv\Scripts\python.exe" "C:\Users\jerom\Downloads\Python Prac\q4.py"
6
Perfect
```