

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\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\pangram.py"
10
|
Process finished with exit code 0
```

Q3.

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

```
lst.sort()
```

```
print(lst)
```

Output:



```
"C:\Users\jerom\Downloads\Python Prac\.venv\Scripts\python.exe" "C:\Users\jerom"
[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:



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