Q1.

```
from collections import Counter

arr = [1,2,2,3,3,4,4,4,4,5,5,5,5,5]

freq = Counter(arr)

sorted_arr = sorted(arr, key=lambda x: (-freq[x], x))

print(sorted_arr)
```

Output:

```
"C:\Users\jerom\Downloads\Python Prac\.venv\Scripts\python.exe" "C:\Users\jerom
[5, 5, 5, 5, 5, 4, 4, 4, 4, 2, 2, 3, 3, 1]

Process finished with exit code 0
```

Q2.

```
startswith=lambda s,ch: s.startswith(ch)

print(startswith("Jerome", "J"))
```

Output:

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

Q3.

```
words = ["python", "lambda", "coding", "filter", "length", "short"]

result = list(filter(lambda w: len(w) == 6, words))

print(result)  # ['python', 'lambda', 'coding', 'filter', 'length']
```

Output:

```
"C:\Users\jerom\Downloads\Python Prac\.venv\Scripts\python.exe" "C:\Users\jerom
['python', 'lambda', 'coding', 'filter', 'length']
```

Q4.

fib = lambda n: [0, 1] if n > 1 else [0]

```
def fibonacci(n):
    seq = fib(n)
    for i in range(2, n):
        seq.append(seq[-1] + seq[-2])
    return seq

print(fibonacci(10))
```

Output:

```
"C:\Users\jerom\Downloads\Python Prac\.venv\Scripts\python.exe" "C:\Users\jerom
[0, 1, 1, 2, 3, 5, 8, 13, 21, 34]
```