

5. Develop a program to read 6 subject marks from the keyboard for a student. Generate a report that displays the marks from the highest to the lowest score attained by the student. [Read the marks into a 1-Dimesional array and sort using the Bubble Sort technique].

```
# Sort 6 Subject Marks using Bubble Sort
```

```
marks = []
```

```
# Read 6 subject marks
```

```
for i in range(6):
```

```
    mark = int(input("Enter mark for subject " + str(i + 1) + ": "))
```

```
    marks.append(mark)
```

```
# Bubble Sort - Descending Order
```

```
for i in range(5):
```

```
    for j in range(5 - i):
```

```
        if marks[j] < marks[j + 1]:
```

```
            temp = marks[j]
```

```
            marks[j] = marks[j + 1]
```

```
            marks[j + 1] = temp
```

```
# Display marks
```

```
print("\nMarks from Highest to Lowest:")
```

```
for mark in marks:
```

```
    print(mark)
```

The image shows a Python IDLE environment with two windows. The main window, titled 'Sort 6 Subject Marks.py', contains a Python script that implements a bubble sort algorithm to sort six subject marks in descending order. The script includes comments for each step: reading marks, sorting, and displaying the result. The second window, titled 'IDLE Shell 3.13.7', shows the execution of the script. It displays the prompts for entering marks for six subjects, the user's input, and the final sorted list of marks from highest to lowest.

```
# Sort 6 Subject Marks using Bubble Sort

marks = []

# Read 6 subject marks
for i in range(6):
    mark = int(input("Enter mark for subject " + str(i + 1) + ": "))
    marks.append(mark)

# Bubble Sort - Descending Order
for i in range(5):
    for j in range(5 - i):
        if marks[j] < marks[j + 1]:
            temp = marks[j]
            marks[j] = marks[j + 1]
            marks[j + 1] = temp

# Display marks
print("\nMarks from Highest to Lowest:")

for mark in marks:
    print(mark)
```

Python 3.13.7 (tags/v3.13.7:bceelc3, Aug 14 2025, AMD64) on win32
Enter "help" below or click "Help" above for more :
>>>==== RESTART: C:/Users/066/Desktop/Jones/Python pgm/Sort 6 Subject Marks.py
Enter mark for subject 1: 76
Enter mark for subject 2: 88
Enter mark for subject 3: 90
Enter mark for subject 4: 89
Enter mark for subject 5: 78
Enter mark for subject 6: 88

Marks from Highest to Lowest:
90
89
88
88
78
76
>>>