

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].

Purpose:

To read 6 subject marks of a student, store them in a 1-Dimensional array (list), and display the marks in descending order using the **Bubble Sort technique**.

Input:

6 subject marks entered from the keyboard.

Expected Output:

Marks displayed from **highest to lowest** after applying Bubble Sort.

Program

```
# Program to sort 6 subject marks in descending order using Bubble Sort

# Reading 6 marks into a list

marks = []

print("Enter marks for 6 subjects:")

for i in range(6):

    m = int(input(f"Enter mark {i+1}: "))

    marks.append(m)

print("\nOriginal Marks:", marks)

# Bubble Sort (Descending order)

n = len(marks)

for i in range(n):

    for j in range(0, n-i-1):

        if marks[j] < marks[j+1]: # swap if next is greater

            marks[j], marks[j+1] = marks[j+1], marks[j]

# Display result

print("Marks from Highest to Lowest:", marks)
```