### **Question 1 [15 Points]**

Write a method to calculate the sum of all the sorted columns in descending order in a given 2D matrix. **[You are not allowed to use any built-in functions like sort() or sorted()]**

| **Sample Input:** | **Sample Output:** | **Explanation:** |
| --- | --- | --- |
| | **8** | **-1** | **1** | **-2** | | --- | --- | --- | --- | | **7** | **-5** | **2** | **0** | | **2** | **-10** | **3** | **2** | | **0** | **-11** | **4** | **3** | | **-20** | **-12** | **5** | **6** | | **Sum = -42** | **Sum = (8+7+2+0+(-20)) + (-1-5-10-11-12) = (-3 - 39) = -42**  **Here, the sorted columns in descending order are the 0 and 1 numbered columns. Therefore, the sum of the elements of these two columns is printed as the output.** |