Open Class Question :

Prof. S. M. Patil Sir has given you a task to organize the answer-sheets of IAT-1 according to received marks. He has given an additional task of **finding the Topper** and the **Second Topper** from the class. You have to inform the Second Topper that **how much more marks he/she needed to become the Topper**. Also Sir has asked you to arrange papers in such a way that the papers with **Even** marks are kept first in **Non - increasing** order and papers with **Odd** marks are kept in **Non - decreasing** order.
Papers with marks received are represented as the following array,

marks[ ] = {11, 8, 16, 14, 13, 10, 17, 9, 12, 19}

Write a Pseudo code to implement the mentioned tasks and give out the following shown output.

Output of the program :

Topper's Marks - 19
Second Topper's Marks - 17
Marks need for Second Topper - 2
Sorted list - 16 14 12 10 8 9 11 13 17 19

Junior Class Question :

Prof. A. S. Kunte Sir has given the program to **print numbers from 1 to 20** in such a way that each number should come on newline.
To make it more interesting he told,
1. For each multiple of 3 print Your Name instead of the number.
2. For each multiple of 5 print Your Best Friend's Name.
3. If the number is multiple of 3 and 5 print Your name & Best Friend's Name

3. Also, calculate the mean of all the numbers.

Write a Pseudo code to implement the given task.

Eg:
Your Name - Karan
Friend's Name - Arjun

Output of the program -
1
2
Karan
4
Arjun
Karan
7
8
Karan

Arjun
11
Karan
13
14
Karan & Arjun
16
17
Karan
19
Arjun
Mean - 10.5