Day 2

DIY

Q1. Problem Statement: The Percentage Calculator

Write a Python program that takes marks as input for six subjects, with maximum marks being 600, and prints total marks, average marks, and percentages obtained by a student.

Input Format:

```
Enter the marks of all six subjects, one by one ::
Enter the marks out of 100 obtained in subject-1: 76
Enter the marks obtained out of 100 in subject-2: 56
Enter the marks obtained out of 100  in subject-3: 78
Enter the marks obtained out of 100 in subject-4: 75
Enter the marks obtained in out of 100  subject-5: 69
Enter the marks obtained in out of 100 subject-6: 74
```

Sample Output:

```
Total marks obtained : 428.0
Average marks obtained: 71.33333333333333
Percentage obtained:  71.33333333333334
```

Q2. Problem Statement: The Score Card

Declare a nested list with Exam scores and Student names as shown here - `"score=[[510, 'John'],[280, 'Lucy']……]"`.Write a Python program to sort the list based on scores and print the students' names with first and second-highest scores.

Input Format:

You do not need to read any input in this problem.

Sample Output:

```
[[558, 'Vishal'], [255, 'Vinay'], [65, 'Harshit'], [64, 'Jay'], [55, 'Sachin'],
Student with highest marks  is: Vishal
And the student with second highest marks is: Vinay
```