Write a program that handles students' records/mark sheets. First, ask the user to input the number of students for which records are to be entered (this value will be used as the size of different arrays to be created in the next steps). Then, create 8 arrays having the size gotten in the previous step.

a. One array should save the **names of the students**. The values for this array will be input by the user (i.e., you will ask the user to enter the names for all the students).

b. Four arrays should save the **students' marks in four subjects**. For this array also, the values will be obtained from the user (i.e., you will ask the user to input the marks for each subject for every student).

c. One arrays should save each student's **obtained marks**. The value of this array will NOT be input by the user. Instead, it will be computed as the sum of marks gotten in the four subjects by each student and then saved in this array.

d. One array should save the **percentages of students**. Again, values for this array will also NOT be entered by the user. Instead, they will be computed within the program by looking at the obtained marks of each student (calculated in the previous step) and the total marks (assume total marks are 400 for the four subjects).

e. The last array should save the **grades of students**. Like the previous two arrays (obtained marks and percentage), the values of this array also will NOT be entered by the user. Instead, its values will be decided in the code by looking at every **student's percentage**. We are assuming that a grade will be one character long (i.e., A, B, C, etc.). The rules for deciding a grade are:

i. If the percentage is between **80 and 100** (inclusive), the grade will be **A**.

ii. If the percentage is between **70 and 79**, the grade will be **B**.

iii. If the percentage is between **60 and 69**, the grade will be **C**.

iv. If the percentage is **less than 60**, the grade will be **F**.

At the end, print the results in the format shown below:

```
===========================================================================================
Name       Programming    Math    English    P.S.    Total Obtained    Percentage    Grade
===========================================================================================
Abc        80             70      75         85      310               77.5          B
Xyz        85             75      80         85      325               81.25         A
...        ...            ...     ...        ...     ...               ...           ...
```