**Question 1: arrange String characters such that lowercase letters should come first**

Given input String of combination of the lower and upper case arrange characters in such a way that all lowercase letters should come first.

Example:

Input: "PyNaTive" Output: " aeivyNPT "

**Question 2: Given an input string Count all lower case, upper case, digits, and special symbols**

**Question 3: String characters balance Test**

We'll say that a String s1 and s2 is balanced if all the chars in the string1 are there in s2. characters position doesn't matter.

Example:

s1 = "yn" s2 = "Pynative" Output: s1 and s2 are balanced True

s1 = "ynf" s2 = "Pynative" Output: s1 and s2 are balanced False

**Question 4: Given a two list. Create a third list by picking an odd-index element from the first list and even index elements from second.**

listOne = [3, 6, 9, 12, 15, 18, 21]

listTwo = [4, 8, 12, 16, 20, 24, 28]

**Question 5: Given an input list removes the element at index 4 and add it to the 2nd position and also, at the end of the list**

List = [54, 44, 27, 79, 91, 41]

**Question 6: Write a Python program to reverse a given string**

Example:

Input: "python"
Output: "nohtyp"

**Question 7: Write a Python program to construct the following pattern, using a nested for loop.**

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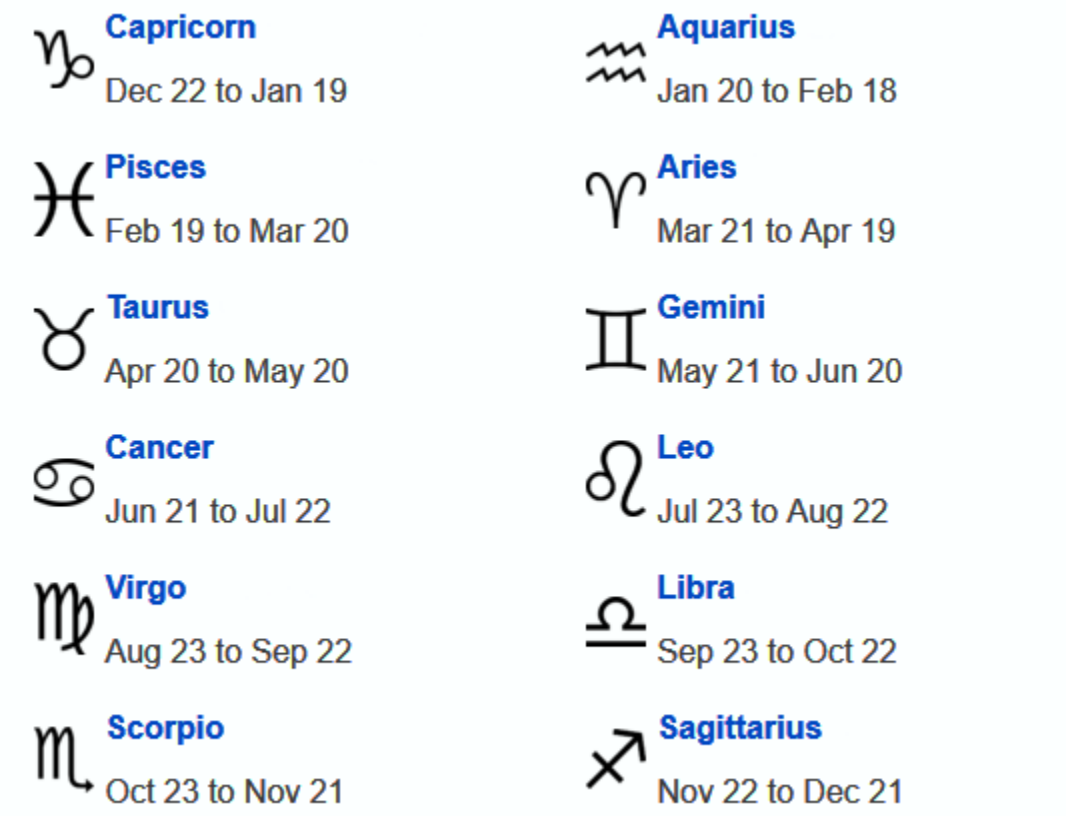
**Question 8: Write a Python program to display astrological sign for given date of birth.**
*Expected Output:*

Input birthday: 15
Input month of birth (e.g. march, july etc): may Your Astrological sign is : Taurus




**Deliverable:**

1) Create one zip file, containing the necessary source-code files (html, txt, image, etc.)

You must name your file using the following convention:
A#_studentID, where # is the number of the assignment. studentID is your student ID number.

2) Assignments must be submitted in the assignment section (Léa) by 07 – Oct – 2023 at 23:55.