Beginning Swift

Duration: 1 hr

Problem Statement 1:

Create a function that accepts a string as an input. If the string ends in "-s," then the string should return TRUE to indicate that the word is plural. Otherwise, it should return FALSE. Keep in mind that the function should return a Boolean value (TRUE or FALSE) and not a string value ("true" or "false").

Problem Statement 2:

Create a function that takes an input string and reverses its order and also switches capitalization so that each new word is capitalized. For example, "I love India!" should return "!Aidni Evol I."

Problem Statement 3:

An isogram is a word that has no repeated letters. Create a function that accepts an input string and returns the repeated letter or letters if the word is an isogram and “Not an Isogram” if the word is not. So, an input of "tomorrow" would output ["o", "r"].

Problem Statement 4:

Imagine that you are creating name cards for a group of international guests. Their names and home countries can be stored as key-value pairs in a dictionary:

i. guests = [“Mike”: “Canada”, “Jane”: “Australia”, “Angela”: “Germany”, “Robert”: “Nigeria”]

Create a function that accepts a name as an input string and outputs a name card greeting that includes the person's name and country. For example, “I’m [name], and I’m from [country].” So, inputting Robert's name would output, "I'm Robert, and I'm from Nigeria. "If a name isn't in the dictionary, then the output should just include the person's name.

Problem Statement 5:

Create a function that accepts an input array and a parameter ‘n’ and splits the input array into two arrays — Numbers divisible by ‘n’ are put in the first output array and all other numbers go in the second output array. For example, for the input array [3, 5, 18, 10] and n = 3, the output array should be [[3, 18], [5, 10]].