# Programming Fundamentals Final Exam 09.08.2020

## Problem 1. World Tour

*You are a world traveller and your next goal is to make a world tour. In order to do that, you have to plan out everything first. To start with, you would like to plan out all of your stops where you will have a break.*

On the **first line** you will be given a string containing all of your **stops**. Until you receive the command **"Travel"**, you will be given some commands to **manipulate** that initial string. The **commands can be**:

* **Add Stop:{index}:{string}** – **insert** the given **string** at that **index** only if the index **is valid**
* **Remove Stop:{start\_index}:{end\_index}** – **remove** the elements of the string from the **starting index** to the **end index** (**inclusive**) if **both** indices are **valid**
* **Switch:{old\_string}:{new\_string}** – if the **old string** is in the initial string, **replace** it with the **new one**. (all **occurrences**)

***Note: After each command print the current state of the string***

After the **"Travel"** command, print the following: **"Ready for world tour! Planned stops: {string}"**

### Input / Constraints

* **JavaScript**: you will receive a **list of strings**

### Output

* Print the proper output messages in the proper cases as described in the problem description

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Hawai::Cyprys-Greece  Add Stop:7:Rome  Remove Stop:11:16  Switch:Hawai:Bulgaria  Travel | Hawai::RomeCyprys-Greece  Hawai::Rome-Greece  Bulgaria::Rome-Greece  Ready for world tour! Planned stops: Bulgaria::Rome-Greece |

### JS Input / Output

|  |  |
| --- | --- |
| **Input** | **Output** |
| [("Hawai::Cyprys-Greece",  "Add Stop:7:Rome",  "Remove Stop:11:16",  "Switch:Hawai:Bulgaria",  "Travel"]) | Hawai::RomeCyprys-Greece  Hawai::Rome-Greece  Bulgaria::Rome-Greece  Ready for world tour! Planned stops: Bulgaria::Rome-Greece |