# Programming Fundamentals Final Exam 09.08.2020

## Problem 2. Destination Mapper

*Now that you have planned out your tour, you are ready to go! Your next task is to mark all the points on the map that you are going to visit.*

You will be given a **string** representing some **places** on the map. You have to **filter** only the **valid ones**. A valid location is:

* Surrounded by **"="** or **"/"** on **both sides** (the **first** and the **last** symbols must **match**)
* After the **first "="** or **"/"** there should be **only letters** (the **first** must be **upper-case,** other letters, may be upper or lower-case)
* The **letters** must be **at least 3**

**Example**: In the string **"=Hawai=/Cyprus/=Invalid/invalid==i5valid=/I5valid/=i="** only the **first two** locations are valid.

After you have **matched** all the **valid locations**, you have to **calculate travel points**. They are calculated by **summing** the **lengths** of all the **valid destinations** that you have found on the map. At the end, on the **first line** print the following: **"Destinations: {destinations joined by ', '}"**. On the **second line** print **"Travel Points: {travel\_points}"**.

### Input / Constraints

* You will recive a string representing the **locations on the map**
* **JavaScript**: you will receive a **single parameter: string**

### Output

* Print the **messages described above**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| =Hawai=/Cyprus/=Invalid/invalid==i5valid=/I5valid/=i= | Destinations: Hawai, Cyprus  Travel Points: 11 |
| ThisIs some InvalidInput | Destinations:  Travel Points: 0 |