**Instructions**

 The duration of this challenge is **120 Minutes**.

* Programming questions have a **Compile and Run** option where you can run your solution against sample test cases before submitting it.
* Click **Evaluate** button only if your code compiles successfully.
* This challenge covers the following topic(s).
* Conditional constructs
* Looping
* Arrays
* Generic Collections

**Problem: Secret Key Evaluator**

ABC company created a software for protecting their data and started encrypting everything. For viewing the encrypted data, a set of secret key has to be entered. Secret key is a combination of two strings entered one by one. If any of the string is incorrect, the data cannot be decrypted.

Following are the conditions to check secret key1

* Characters in the string should contain only alphabets
* String contains only unique characters.

Following are the conditions to check secret key2

* String should start with an alphabet and its last 3 characters should be digits except 0.
* String should contain a minimum of 4 characters.

Write a C# program that accepts two **strings** and checks whether the string is a valid key or not

Create a class called **StringHelper** and define the following function in it.

|  |  |  |  |
| --- | --- | --- | --- |
| **Method Name** | **Input Argument** | **Return Type** | **Description** |
| IsValidSecretKey1 | string | bool | This function accepts a string as input and returns true if the entered input string is a valid secret key 1 and returns false if it’s not a valid secret key1 |
| IsValidSecretKey2 | string | bool | This function accepts a string as input and returns true if the entered input string is a valid secret key2 and returns false if it’s not a valid secret key2 |

From the **Main** method of the **Program** class invoke the **IsValidSecretKey1** function and **IsValidSecretKey2** function and display messages as appropriate.

If both the functions return true then display **“Valid Key”** to the console and **“Not a Valid Key”** if any one of the input strings is not valid.

**Input**

Input contains two strings entered in two separate lines

**Output**

Output is a string value

**Sample Input1**

Enter secret key1

Abc

Enter secret key2

Abc123

**Sample Output1**

Valid Key

**Sample Input2**

Enter secret key1

Abc132

Enter secret key2

Abc120

**Sample Output2**

Not a Valid Key