README

Introduction

This is a program which implements the Rail Fence Cipher encryption algorithm in two methods using java language.

Instruction to Run:

The zip file contains the original java code files in two separate folders, each using different method to implement this algorithm:

- ❖ Folder "Method1" contains two java code files: RailFenceCipher.java, Key.java
 - > It encrypt the code in this way:
 - if the plaintext is RAILFENCECIPHER with depth=4

```
R F E H
A E C E
I N I R
L C P
```

- then the ciphertext will be RFEHAECEINIRLCP
- To run this java program, you need to open the RailFenceCipher.java and type in your plaintext or ciphertext with key(d, r), save and compile all java files and run RailFenceCipher.java
 - Below is a screenshot for sample input RAILFENCECIPHER and Key(3,3)

```
| Designation | Designation | Destroy | Destro
```

- Folder "Method2" contains four java code files: RailFence.java, RailFenceBasic.java, Test1.java, Test2.java
 - it encrypt the code in this way:
 - if the plaintext is RAILFENCECIPHER with depth=4

```
R . . . . . N . . . . . H . .

. A . . . E . C . . . P . E .

. . I . F . . . E . I . . . R

. . . L . . . . . C . . . .
```

- then the ciphertext will be RNHAECPEIFEIRLC
- To run this java program, you need to compile all java files and run Railfence.java with input and key(depth, round)
 - Below is a screenshot for sample input RAILFENCECIPHER and Key(4,3)

