#### Lab 1

# Driver.java:

```
* File: Driver.java
* Author: Thompson Rajan
* Course: MSCS 630
* Assignment: Lab 1
* Due Date: Wednesday, January 24, 2018
* This file contains the implementation of a pseudo-encryption.
import java.util.Scanner;
* This class implements a pseudo-encryption. It takes in a plaintext file
^{\ast} and maps each character to the set of 0 - 25 numbers, irrespective of their
* cases. All spaces are mapped to 26.
public class Driver {
 * @param s Input string
 * @return returns an array of integers mapped from character strings.
 public static int[] str2int(String s) {
  int[] e = new int[s.length()];
  for (int i = 0; i < s.length(); i++) {
   s = s.toUpperCase();
   char c = s.charAt(i);
   if (c!= 32) {
     c = 65;
     e[i] = (int) c;
   } else
     e[i] = 26;
  }
  return e;
 public static void main(String[] args) {
  Scanner in = new Scanner(System.in);
  while(in.hasNext()){
   String s = in.nextLine();
   int[] d = str2int(s);
   for(int i : d){
     System.out.print(i + " ");
   System.out.println();
```

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## Output 1:

```
Toms-MacBook-Pro:1 tom$ javac Driver.java

[Toms-MacBook-Pro:1 tom$ head input.1

Hello

[Toms-MacBook-Pro:1 tom$ java Driver < input.1

7 4 11 11 14

Toms-MacBook-Pro:1 tom$
```

#### Output 2:

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## Output 3:

```
Toms-MacBook-Pro:1 tom$ head input.3
A
car usually
has four tires
Toms-MacBook-Pro:1 tom$ java Driver < input.3
0
2 0 17 26 20 18 20 0 11 11 24
7 0 18 26 5 14 20 17 26 19 8 17 4 18
Toms-MacBook-Pro:1 tom$
```

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