

CodingChallenge1.java

```

1 import java.io.File;
2 import java.io.IOException;
3 import java.util.Scanner;
4
5 //Not your typical programmer
6
7 public class CodingChallenge1 {
8
9     public static void main(String[] args) throws IOException {
10         Scanner file=new Scanner(new File("input.txt")); //create a Scanner object to
            input data from a file
11         int num=file.nextInt(); //receives first number from the file that denotes the
            number of data sets
12         file.nextLine();
13         for(int x=0; x<num; x++){ //Loop for the code to repeat
14
15             System.out.println(CodingChallenge1.decode(file.nextLine())); //Takes the data
            from the file, decodes the numbers, and outputs the coded word
16         }
17
18     }
19     public static String decode(String numbers){
20         String output="";
21         Scanner sc=new Scanner(numbers); //Used to break a part the String into
            individual numbers for an unknown amount of numbers
22         while(sc.hasNext()){ //While there is more numbers to evaluate
23             int n=sc.nextInt(); //retrieves the number
24             if(n<=13)
25                 output+=(char) (64+n); //if the letter is A-M the ASCII value of A is
65
26
27             else
28                 output+=(char) (104-n); //if the letter is N-Z then go in reverse and
            subtract
29         }
30
31         return output;
32     }
33
34 }
35

```