

CodingChallenge2.java

```
1 package notYourTypicalProgrammerCodingChallenge2;
2
3 import java.io.File;
4 import java.io.IOException;
5 import java.util.Scanner;
6
7 public class CodingChallenge2 {
8
9     public static void main(String[] args) throws IOException{
10         // TODO Auto-generated method stub
11         Scanner file=new Scanner(new File("challenge2.txt")); //created a Scanner
        object for file input
12         int num=file.nextInt(); //reads in the first number to determine how many data
        sets there are
13         file.nextLine();
14         for(int x=0; x<num; x++){ //Loop to iterate through the data sets
15             System.out.println(ReplaceLetters.modify(file.nextLine())); //calls the
            modify method and returns the value of the new word
16         }
17     }
18 }
19
20 }
21 class ReplaceLetters{
22
23     public static String modify(String word){
24
25         word=word.replaceAll("S", "1"); //using the String replaceAll method, you
        can replace all the occurences of a substring
26         word=word.replaceAll("AB", "**"); //with a replacement value
27         return word;
28     }
29 }
30 }
31
```