

Homework Turnin

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Section:	6G
Course:	TJHSST APCS 2016-17
Assignment:	01-03
Receipt ID:	97902fa6bb9a936bcd3c889479112334

Turnin Successful!

The following file(s) were received:

PigLatin.java (3415 bytes)

```
//name:      date:
import java.util.*;
import java.io.*;
public class PigLatin
{
    public static void main(String[] args) throws IOException
    {
        part_1_using_pig();
        //part_2_using_piglatenizeFile();
    }

    public static void part_1_using_pig()
    {
        Scanner sc = new Scanner(System.in);
        while(true)
        {
            System.out.print("\nWhat word? ");
            String s = sc.next();
            if (s.equals("-1"))
                System.exit(0);
            String p = pig(s);
            System.out.println("***** " + p + " *****");
        }
    }

    public static String pig(String s)
    {
        char ch;
        boolean capitalized;
        boolean hasPunctuation;
        String piglatin = s;
        String punct1,punct2;
        punct1 = punct2 = "";
        final String punct = ".,:!;\"'(){}[]<>";

        if(punct.indexOf(s.charAt(0))== -1 && punct.indexOf(s.charAt(s.length()-1)) == -1)
            hasPunctuation = false;
        else
        {
            hasPunctuation = true;
            while(punct.indexOf(s.charAt(0)) != -1)
            {
                punct1 = punct1 + s.charAt(0);
                s = s.substring(1);
            }
            while(punct.indexOf(s.charAt(s.length()-1)) != -1)
            {
                punct2 = s.charAt(s.length()-1) + punct2;
                s = s.substring(0,s.length()-1);
            }
        }
    }
}
```

```

capitalized = Character.isUpperCase(s.charAt(0));
s = s.toLowerCase();
ch = s.charAt(0);
if(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u')
{
    piglatin = s + "way";
}
else
{
    for(int i=1;i<s.length();i++){
        ch = s.charAt(i);
        if( ch=='u' || s.charAt(i-1)=='q')
        {
            piglatin = s.substring(i+1) + s.substring(0,i+1) + "ay";
            break;
        }
        else if(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u' || ch=='y')
        {
            piglatin = s.substring(i) + s.substring(0,i) + "ay";
            break;
        }
        else if (i==s.length()-1 && ch!='a' && ch!='e' && ch!='i' && ch!='o' && ch!='u' && ch!='y')
            piglatin = "INVALID";
    }
}
if(capitalized)
    piglatin = Character.toUpperCase(piglatin.charAt(0))+piglatin.substring(1);
if(hasPunctuation)
    piglatin = punct1 + piglatin + punct2;

return piglatin;
}

public static void part_2_using_piglatenizeFile() throws IOException
{
    Scanner sc = new Scanner(System.in);
    System.out.print("What filename? ");
    String filename = sc.next();
    Scanner infile = new Scanner(new File(filename)); //PigLatin.txt
    piglatenizeFile( infile, filename );
    System.out.println("Piglatin done!");
    sc.close();
}
/*****
 * take in a filename, and creates a file that is the inputted file
 * fully piglatenized. The outputFile should be in piglatin form
 * PigLatin.txt should become IgLatinpay.txt.
 * Note: filename will have .txt on it.
 *****/
public static void piglatenizeFile(Scanner infile, String filename) throws IOException
{
    /*****
     *
     * enter your code here:
     * Scanner class, try-catch, nested loops, file output
     *
     *****/
}
}

```

chgrp(): Operation not permitted in

/srv/gradeit/module/GradelFile/src/GradelFile/Service/FileSystemUtility.php line 138