

AP Java
HW/Quiz Problem

A palindrome is a word that reads the same backward as forward. Here are some examples:

racecar
madam
deed
kayak
civic
rotator

Given the following psvm starter class and the partial Pal class, complete the Pal class to do the following:

- a. Count the number of palindromes in the provided file ("words.txt")
- b. Do not change the provided psvm class
- c. Complete all methods (headers provided) in the partially defined Pal class
- d. Note the scope (private or public) of the methods in the Pal class
- e. Don't add any new methods to the Pal class
- f. Paste the output from your program in your starter.java file
- g. Submit your starter.java and Pal.java files to Edmodo
- h. Note that you do not have to use the provided file until the final run of your program.
You could make your own word file with just a few words while debugging the code (hint).

Starter.java

```
import pkg.*;
public class starter
{
    public static void main(String args[])
    {
        EasyReader in = new EasyReader();
        System.out.print("please enter a file name: ");
        String fn = in.readWord();
        Pal joe = new Pal(fn);
        System.out.println("There were "+joe.howManyPals() + " in the file");
    }
}
```

Pal.java (partial definition)

```
import pkg.*;
public class Pal
{
    private String[] w;

    public Pal(String fname)
    {

    }

    private void printWords(String[] s)
    {

    }

    private boolean isPal(String word)
    {

    }

    public int howManyPals()
    {

    }
}
```