```java
/**
 *
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 *
 */
public class Word implements Comparable<Word>{
    private String name = "";
    private int occurrence;
    static private int count = 0;

    public Word(){
        name = "";
        occurrence = 0;
    }
    /**
     * Create a new word object to store all the words and their occurrence totals in a text file.
     * @param name - The name of a single word in the text file.
     * @param occurence - The occurrence of the word in the text file.
     */
    public Word(String name, int occurrence){
        this.name = name;
        this.occurrence = occurrence;
        count++;
    }

    public Word(String name){
        this.name = name;
        occurrence = 1;
        count++;
    }

    public String getName(){
        return name;
    }

    public int getOccurrence(){
        return occurrence;
    }

    public void updateOccurrence(){
        occurrence++;
```

```
42          count++;
43      }
44      public boolean equals(Object obj)
45      {
46          return name.equals(((Word)obj).name);
47      }
48      @Override
49      public int compareTo(Word o) {
50          if(((Integer)occurrence).compareTo(o.occurrence) == 0){
51              return 1*name.compareTo(o.name);
52          }
53          else {return
    -1*((Integer)occurrence).compareTo(o.occurrence);} //for descending
    order
54      }
55
56      public double getPercentage(){
57          return 100*((double)occurrence/(double)count);
58      }
59  }
60
```