**Write a Java program to accomplish the following tasks. Please submit Java program and test run on the file attached.**

Given a text-file input123,

1. The program will extract each “word” and form a **key-value pair (you MUST create a pair class)** where the key is the “word” and value is integer one.  Note that your program should treat Cat and cat as the same word.
2. Each pair is inserted into a List (of pairs).
3. Sort the List using “Collections”. This may involve writing a comparator for the pair class.
4. Output the List
5. Note that tokens such as input123, abc.txt,  a23bc and abc\_ptr  are not words. However, key-value is two words.
6. **As a good programming habit, you want to use generics.**

**Example:**

**INPUT :**

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Write a Java program to accomplish the following tasks.

Given a text-file as input,

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**OUTPUT:**

(a, 1)

(a, 1)

(accomplish, 1)

(as, 1)

(file, 1)

(following, 1)

(given, 1)

(input, 1)

(java, 1)

(program, 1)

(tasks, 1)

(text, 1)

(the, 1)

(to, 1)

(write, 1)