public class CountLetters {

public static void main(String[] args) throws Exception {

TreeMap<Character, Integer> hashMap = new TreeMap<Character, Integer>();

File file = new File("C:/text.txt");

Scanner scanner = new Scanner(file,"utf-8");

while (scanner.hasNext()) {

char[] chars = scanner.nextLine().toLowerCase().toCharArray();

for (Character c : chars) {

if(!Character.isLetter(c)){

continue;

}

else if (hashMap.containsKey(c)) {

hashMap.put(c, hashMap.get(c) + 1);

} else {

hashMap.put(c, 1);

}

}

}

for (Map.Entry<Character, Integer> entry : hashMap.entrySet()) {

System.out.println(entry.getKey() + ": " + entry.getValue());

}

}

}

|  |  |  |
| --- | --- | --- |
| **Letter** | **frequency in the English language** | |
| **a** | 8.167% |  |
| **b** | 1.492% |  |
| **c** | 2.782% |  |
| **d** | 4.253% |  |
| **e** | 12.702% |  |
| **f** | 2.228% |  |
| **g** | 2.015% |  |
| **h** | 6.094% |  |
| **i** | 6.966% |  |
| **j** | 0.153% |  |
| **k** | 0.772% |  |
| **l** | 4.025% |  |
| **m** | 2.406% |  |
| **n** | 6.749% |  |
| **o** | 7.507% |  |
| **p** | 1.929% |  |
| **q** | 0.095% |  |
| **r** | 5.987% |  |
| **s** | 6.327% |  |
| **t** | 9.056% |  |
| **u** | 2.758% |  |
| **v** | 0.978% |  |
| **w** | 2.360% |  |
| **x** | 0.150% |  |
| **y** | 1.974% |  |
| **z** | 0.074% |  |