

**NAME – RAJDEEP JAISWAL**

**DATE – 31 Oct 2021**

**BRANCH – BTECH CSE**

**SEC = 13 A**

**UID -20BCS2761**

File : Count Character

Write a program to count the number of times a character appears in the File. (Case insensitive... 'a' and 'A' are considered to be the same)

Sample Output:

Enter the file name

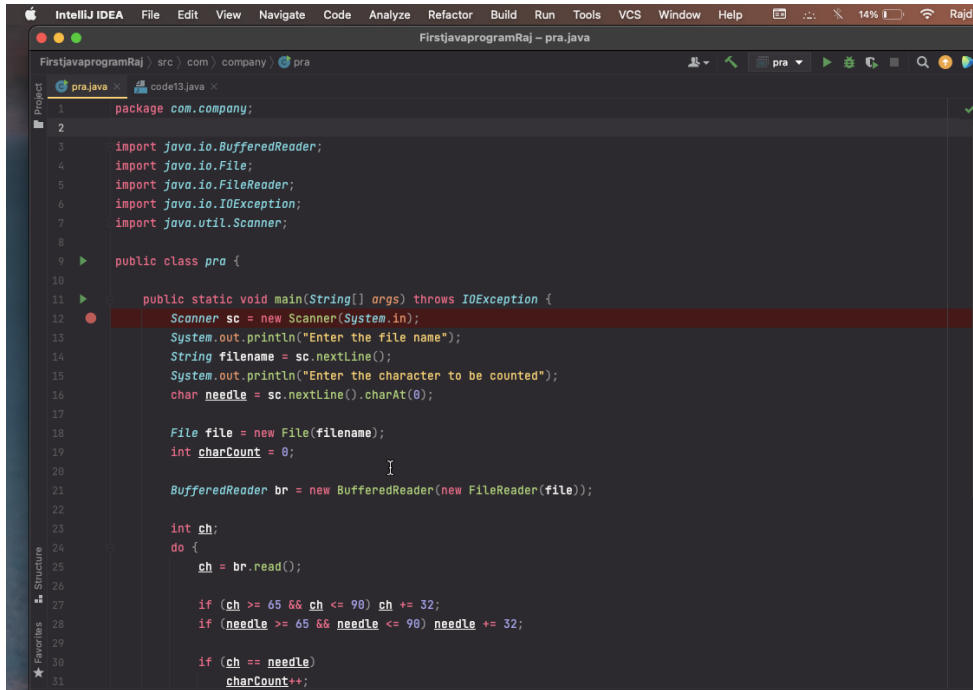
Input.txt

Enter the character to be counted

r

File 'Input.txt' has 99 instances of letter 'r'.

Code -



```
IntelliJ IDEA File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help 14% Rajde
FirstjavaprogramRaj - pra.java
FirstjavaprogramRaj | src | com | company | pra
pra.java code13.java
1 package com.company;
2
3 import java.io.BufferedReader;
4 import java.io.File;
5 import java.io.FileReader;
6 import java.io.IOException;
7 import java.util.Scanner;
8
9 public class pra {
10
11     public static void main(String[] args) throws IOException {
12         Scanner sc = new Scanner(System.in);
13         System.out.println("Enter the file name");
14         String filename = sc.nextLine();
15         System.out.println("Enter the character to be counted");
16         char needle = sc.nextLine().charAt(0);
17
18         File file = new File(filename);
19         int charCount = 0;
20
21         BufferedReader br = new BufferedReader(new FileReader(file));
22
23         int ch;
24         do {
25             ch = br.read();
26
27             if (ch >= 65 && ch <= 90) ch += 32;
28             if (needle >= 65 && needle <= 90) needle += 32;
29
30             if (ch == needle)
31                 charCount++;

```

```
prajava x code13.java x
16 char needle = sc.nextLine().charAt(0);
17
18 File file = new File(filename);
19 int charCount = 0;
20
21 BufferedReader br = new BufferedReader(new FileReader(file));
22
23 int ch;
24 do {
25     ch = br.read();
26
27     if (ch >= 65 && ch <= 90) ch += 32;
28     if (needle >= 65 && needle <= 90) needle += 32;
29
30     if (ch == needle)
31         charCount++;
32 } while (ch != -1);
33
34 System.out.println("File " + filename + " has " +
35     charCount + " instances of letter '" + needle + "'.");
36
37 br.close();
38 sc.close();
39
40
41 }
```

### OUTPUT-

```
Run: prajava x
/Library/Java/JavaVirtualMachines/jdk-16.0.1.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CE.app/Contents
Enter the file name
raj
Enter the character to be counted
20
Build completed successfully in 3 sec, 429 ... (moments ago) 14:11 LF UTF-8 4 spaces
```