

```

1 import java.io.BufferedReader;
2 import java.io
    .FileNotFoundException;
3 import java.io.FileReader;
4 import java.io.IOException;
5
6 public class UserInterface {
7     public String findPetName
        (String fileName) {
8         try (InputFileReader
            inputFileReader = new
            InputFileReader
            (fileName);
9             BufferedReader
                bufferedReader =
                new BufferedReader
                (new FileReader
                (fileName))) {
10
11             String line;
12             while ((line =
                bufferedReader
                .readLine()) !=
                null) {
13                 if (countVow
                    (line) -- ?) {

```



Main.java

Output



```
14         (line) == 2) {  
15             return line;  
16         }  
17         return null; // No name  
18             found with exactly  
19             two vowels  
20     } catch  
21     (FileNotFoundException  
22     e) {  
23         return "Please give the  
24         correct file name";  
25     } catch (IOException e) {  
26         return "Error occurred  
27         while reading the  
28         names from file";  
29     }  
30 }  
31  
32 private int countVowels(String  
33 str) {  
34     int count = 0;  
35     for (char ch : str  
36         .toCharArray())  
37     if ("aeiouAEIOU"  
38         indexOf(ch) != -1)
```

Run



Main.java

Output



```
28     if ("aeiouAEIOU"
        .indexOf(ch) != -1)
        {
29         count++;
30     }
31 }
32 return count;
33 }
34
35 public static void main
    (String[] args) {
36     UserInterface ui = new
        UserInterface();
37     String fileName = "names
        .txt"; // Change this
        to the actual file name
38     String petName = ui
        .findPetName(fileName);
39     if (petName != null) {
40         System.out.println("Pet
            Name: " + petName);
41     } else {
42         System.out.println("No
            name found v
            exactly two vowels"
```

Run



Main.java

Output



```
exactly two vowels
);
43     }
44 }
45 }
46
47 class InputFileReader implements
    AutoCloseable {
48     private FileReader fileReader;
49
50     public InputFileReader(String
        fileName) throws
        FileNotFoundException {
51         this.fileReader = new
            FileReader(fileName);
52     }
53
54     @Override
55     public void close() throws
        IOException {
56         if (fileReader != null) {
57             fileReader.close();
58         }
59     }
60 }
61
```

Run



Main.java

Output



```
java -cp /tmp/42EeBYkLxu/UserInterface  
Pet Name: Please give the correct file  
name
```

```
=== Code Execution Successful ===
```