```java
1 import java.util.ArrayList;
2
3 public class Question4 {
4
5 public static int findLargestPalindrome(int a, int b) {
6     int maxPalindrome = 0;
7     int c;
8
9     ArrayList<Integer> palindromes = new ArrayList<Integer>();
10
11     for (int i = a; i >= 0; i--) {
12         for(int j = b; j>= 0; j--) {
13             c = i*j;
14
15             if (checkIfPalindrome(c)==true) {
16                 palindromes.add(c);
17
18             }
19
20         }
21     }
22
23     for(int k = 0; k < palindromes.size(); k++) {
24         if(palindromes.get(k)>maxPalindrome) {
25             maxPalindrome = palindromes.get(k);
26         }
27     }
28
29     return maxPalindrome;
30 }
31
32 public static boolean checkIfPalindrome(int c) {
33
34     String d = String.valueOf(c);
35     //System.out.println(d);
36     int dl = d.length();
37
38     for(int q=0; q<(dl/2); q++) {
39
40         if (d.charAt(q)!=(d.charAt(dl-(q+1)))) {
41             return false;
42         }
43     }
```

```java
44
45      return true;
46 }
47
48
49     public static void main(String[] args) {
50         // TODO Auto-generated method stub
51 // find all palindormes using a nested for loop, find the max of
   these
52 System.out.println(findLargestPalindrome(999,999));
53
54
55
56    }
57
58 }
59
```