

```

1 import java.util.*;
2 import java.io.*;
3 public class question_15
4 {
5     public static void main(String[] args) {
6
7         String str = "Martha Jonas";
8         String res="";
9         String max_string="";
10        int max=0;
11        int max_count=0;
12        char max_c='\0';
13        str = str.toLowerCase();
14
15        //most repeated character
16        for(char i='a';i<='z';i++)
17        {
18            int count=0;
19            for(int j=0;j<str.length();j++)
20            {
21                if(str.charAt(j)==i)
22                {
23                    count++;
24                }
25            }
26            if(count>max)
27            {
28                max=count;
29                max_c=i;
30            }
31        }
32
33        //most no. of vowels in a word
34        for(int i=0;i<str.length();i++)
35        {
36            int v_count=0;
37            if(str.charAt(i)!=' ')
38            {
39                res=res+str.charAt(i);
40            }
41            else
42            {
43                for(int j=0;j<res.length();j++)
44                {
45                    if(res.charAt(j)=='a' || res.charAt(j)=='e' || res.charAt(j)=='i' ||
46                    res.charAt(j)=='o' || res.charAt(j)=='u')
47                    {
48                        v_count++;
49                    }
50                }
51                if(max_count<v_count)
52                {
53                    max_count=v_count;
54                    max_string=res;
55                }
56                res="";
57            }
58        }
59
60        System.out.println("Most repeated character: "+max_c);
61        System.out.println("Most Vowels: "+max_string);
62
63    }
64 }

```