```java
1    import java.util.Scanner;
2    import static java.lang.System.*;
3    import java.awt.Desktop;
4    import java.net.URI;
5    //import java.net.InetAddress;
6    //import java.net.UnknownHostException;
7
8    public class UltimateRPSRunner
9    {
10       public static void main(String args[]) throws Exception
11       {
12           Scanner keyboard = new Scanner(System.in);
13           Desktop gif = Desktop.getDesktop();
14           String tempInput;
15           int choice = 0;
16           out.print("What type of game would you like to play?\nHint: type:\n3 - for
             RPS\n5 - for RPSLK\n7, 9, 11, 15, 25, or 101 - for the ultimate RPS
             experiance\nChoice: ");
17           boolean choiceValid = false;
18           boolean wentThroughOnce = false;
19           while ( choiceValid == false ){
20               //first time writing a try / catch statement
21               try{
22                   choice = Integer.parseInt( keyboard.nextLine().toLowerCase() );
23                   if ( ( choice == 3 ) || ( choice == 5 )  || ( choice == 7 ) || ( choice
                     == 9 ) || ( choice == 11 ) || ( choice == 15 ) || ( choice == 25 )  ||
                     ( choice == 101 ) )
24                       choiceValid = true;
25               } catch (NumberFormatException e) {
26                   out.println("you entered a wrong choice - please enter a number that is
                     3, 5, or 101\n");
27                   out.print("What type of game would you like to play?\nHint: type:\n3 -
                     for RPS\n5 - for RPSLK\n101 - for the ultimate RPS experiance\nChoice:
                     ");
28               }
29           }
30
31           switch (choice)
32           {
33               case 3:
34                   out.print("Rock-Paper-Scissors - pick your weapon:: ");
35                   break;
36               case 5:
37                   out.print("Rock-Paper-Scissors-Lizzard-Spock - pick your weapon:: ");
38                   break;
39               case 7:
40                   out.print("7 way RPS - pick your weapon[a image will show with the
                     options]:: ");
41                   gif.browse(new
                     URI("http://retrohelix.com/en/wp-content/uploads/2013/08/rps7.jpg"));
42                   break;
43               case 9:
44                   out.print("9 way RPS - pick your weapon[a image will show with the
                     options]:: ");
45                   gif.browse(new
                     URI("http://retrohelix.com/en/wp-content/uploads/2013/08/rps9.jpg"));
46                   break;
47               case 11:
```

```java
48              out.print("11 way RPS - pick your weapon[a image will show with the
                    options]:: ");
49              gif.browse(new
                    URI("http://retrohelix.com/en/wp-content/uploads/2013/08/rps11.jpg"));
50              break;
51          case 15:
52              out.print("15 way RPS - pick your weapon[a image will show with the
                    options]:: ");
53              gif.browse(new
                    URI("http://retrohelix.com/en/wp-content/uploads/2010/12/ultimate_rps.jpg
                    "));
54              break;
55          case 25:
56              out.print("25 way RPS - pick your weapon[a image will show with the
                    options]:: ");
57              gif.browse(new
                    URI("http://retrohelix.com/en/wp-content/uploads/2013/08/rps25-640x640.jp
                    g"));
58              break;
59          case 101:
60              out.print("Ultimate RPS - pick your weapon[a image will show with the
                    options]:: ");
61              //http://java-demos.blogspot.com/2012/10/open-url-in-java.html
62              gif.browse(new
                    URI("http://retrohelix.com/en/wp-content/uploads/2013/08/rps-101-640x605.
                    jpg"));
63              break;
64          default:
65              out.print("I am a bad coder");
66              break;
67      }

69      do{
70          if (wentThroughOnce)
71              displayOptions(choice);
72          UltimateRPS test = new UltimateRPS(keyboard.next().toLowerCase(), choice);
73          while (test.validWeapon() == false){
74              out.println("you entered a wrong sign");
75              displayOptions(choice);
76              test.setPlayers(keyboard.next().toLowerCase(), choice);
77          }

79          System.out.println(test);

81          long startTime = System.nanoTime();
82          System.out.println(test.determineWinner()+"\n");
83          long endTime = System.nanoTime();


85          //http://stackoverflow.com/questions/180158/how-do-i-time-a-methods-execution
                -in-java
86          out.println("Execution time: " + ( ( (double)endTime - startTime) / 1000000
                ) + " ms\n");

88          System.out.print("Do you want to play again? ");
89          wentThroughOnce = true;
90      } while( keyboard.next().toLowerCase().charAt(0) == 'y' );
91  }
```

```java
 92
 93        public static void displayOptions (int choice)
 94        {
 95            switch (choice)
 96            {
 97                case 3:
 98                    out.print("Rock-Paper-Scissors - pick your weapon:: ");
 99                    break;
100                case 5:
101                    out.print("Rock-Paper-Scissors-Lizard-Spock - pick your weapon:: ");
102                    break;
103                case 7:
104                    out.print("7 way RPS - pick your weapon[a image will show with the
                        options]:: ");
105                    break;
106                case 9:
107                    out.print("9 way RPS - pick your weapon[a image will show with the
                        options]:: ");
108                    break;
109                case 11:
110                    out.print("11 way RPS - pick your weapon[a image will show with the
                        options]:: ");
111                    break;
112                case 15:
113                    out.print("15 way RPS - pick your weapon[a image will show with the
                        options]:: ");
114                    break;
115                case 25:
116                    out.print("25 way RPS - pick your weapon[a image will show with the
                        options]:: ");
117                    break;
118                case 101:
119                    out.print("Ultimate RPS - pick your weapon[a image will show with the
                        options]:: ");
120                    break;
121                default:
122                    out.print("I am a bad coder");
123            }
124        }
125    }
126
```