```java
/**
 * header
 */

import java.util.Scanner;
import static java.lang.System.*;
import java.util.Arrays;

public class UltimateRPS
{
    private String playChoice;
    private String compChoice;
    private String[] choices;

    public UltimateRPS()
    {
        playChoice = "";
        compChoice = "";
        choices = new String[] {""};
    } //default constructor

    public UltimateRPS(String player, int choice)
    {
        setPlayers(player, choice);
    } //loaded constructor

    public void setPlayers(String player, int choice)
    {
        //sets the right array to choices depending on the game the player wants to play
        switch (choice)
        {
            case 3:
                choices = new String[] {"rock", "paper", "scissor"};
                break;
            case 5:
                choices = new String[] {"paper", "lizard", "scissor", "rock", "spock"};
                break;
            case 7:
                choices = new String[] {"rock", "water", "air", "paper", "sponge",
                "scissor", "fire"};
                break;
            case 9:
                choices = new String[] {"rock", "gun", "water", "air", "paper",
                "sponge", "human", "scissor", "fire"};
                break;
            case 11:
                choices = new String[] {"rock", "sun", "devil", "water", "air",
                "paper", "sponge", "wolf", "human", "scissor", "fire"};
                break;
            case 15:
                choices = new String[] {"rock", "gun", "lightning", "devil", "dragon",
                "water", "air", "paper", "sponge", "wolf", "tree", "human", "snake",
                "scissor", "fire"};
                break;
            case 25:
                choices = new String[] {"rock", "gun", "dynamite", "nuke", "lightning",
                "devil", "dragon", "alien", "water", "bowl", "air", "moon", "paper",
                "sponge", "wolf", "cockroach", "tree", "man", "woman", "monkey",
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                    "snake", "axe", "scissor", "fire", "sun"};
52              case 101:
53                  choices = new String[] {"dynamite","helicopter", "tank", "sky", "nuke",
                    "laser", "power", "medusa", "lightning", "electricity", "heat",
                    "robot", "math", "video game", "fence", "devil", "gold", "platinum",
                    "diamond", "dragon", "satan", "mountain", "prayer", "alien", "UFO",
                    "rainbow", "TV", "water", "rain", "beer", "cup", "bowl", "guitar",
                    "planet", "air", "toilet", "film", "grass", "moon", "airplane",
                    "cloud", "paper", "book", "butter", "church", "sponge", "vampire",
                    "money", "cross", "community", "brain", "cockroach", "spider", "fish",
                    "bird", "cat", "wolf", "duck", "turnip", "tree", "bicycle", "noise",
                    "car", "train", "home", "man", "baby", "woman", "police", "princess",
                    "prince", "queen", "king", "monkey", "vulture", "porcupine", "blood",
                    "snake", "castle", "computer", "peace", "axe", "cage", "poison",
                    "scissor", "school", "chainsaw", "fire", "camera", "sun", "wall",
                    "death", "rock", "sword", "whip", "law", "gun", "chain", "pit",
                    "quicksand", "tornado"};
54                  break;
55              default:
56                  choices = new String[] {"I", "am", "a", "bad", "coder"};
57                  break;
58          }
59          playChoice = player;
60
61          //randomly generates sign for player
62          int num = 0 + (int)( Math.random() * choices.length );
63          compChoice = choices[num];
64      }
65
66      public String determineWinner()
67      {
68          //if playChoice is the same as compChoice no winner (draw)
69          if ( compChoice.equals( playChoice ) )
70              return "!Draw Game!";
71
72          //gets index of player's choice
73          int index = Arrays.asList(choices).indexOf(playChoice);
74          int c = 1;
75          for (int i = ( (choices.length) - 1 ) / 2; i > -1; i--)
76          {
77              //tests to see if it is at the biginning of the array, if it is then moves
                the it to the end of the array
78              if (index - c == -1)
79              {
80                  index = choices.length;
81                  c = 1;
82              }
83              //tests to see if the string at the point is equal to the computers choice,
                if so then the player wins
84              if (compChoice.equals(choices[index - c]))
85              {
86                  return ( "Player Wins <<" + playChoice + " beats " + compChoice + ">>");
87              }
88              c++;
89          }
90          return ( "Computer wins <<" + compChoice + " beats " + playChoice + ">>");
91
92          //tried using this but doesnt work for me, wven though its cleaner, I kept
```

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            getting "player wins"
93          
            //http://stackoverflow.com/questions/9553058/scalable-solution-for-rock-paper-scissor
94          /*
95          switch ( ( ( (choices.length + Arrays.asList(choices).indexOf(playChoice) - Arrays.asList(choices).indexOf(compChoice) ) % choices.length ) % 2 ) )
96          {
97              case 1:
98                  return "Player Wins <<" + playChoice + " beats " + compChoice + ">>";
99              case 0:
100                 return "Computer wins <<" + compChoice + " beats " + playChoice + ">>";
101             default:
102                 return "";
103             }
104         */
105     }
106 
107     public String toString()
108     {
109         String output="";
110         output+="player had " + playChoice+"\n";
111         output+="computer had "+ compChoice;
112         return output;
113     }
114 
115     public boolean validWeapon ()
116     {
117         if (Arrays.asList(choices).indexOf(playChoice) == -1)
118             return false;
119         else
120             return true;
121     }
122 }
123 
```