April 26, 2024

Task 6

Define a two-dimensional array of **String**s representing the results of matches in a tournament, for example as below

download *Arr2DTournament.java*

```
String[][] arr =
    { {"Germany",  "2", "Scotland", "1"},
      {"Poland",   "2", "Germany",  "0"},
      {"Germany",  "1", "Ireland",  "1"},
      {"Poland",   "2", "Scotland", "2"},
      {"Scotland", "1", "Ireland",  "0"},
      {"Ireland",  "1", "Poland",   "1"},
      {"Ireland",  "1", "Scotland", "1"},
      {"Germany",  "3", "Poland",   "1"},
      {"Scotland", "2", "Germany",  "3"},
      {"Ireland",  "1", "Germany",  "0"},
      {"Scotland", "2", "Poland",   "2"},
      {"Poland",   "2", "Ireland",  "1"} };
```

and a four-element array of **int**s representing scores of teams of Germany, Ireland, Poland and Scotland (in this order). The program calculates total score for each team (3 points for a win, 1 for a draw, 0 for a defeat), puts them into the array and then prints it.

It will be very helpful to define a small function which, given the name of a country, returns its index in the array of total scores (**switch** expression would be appropriate here).

If a string `str` represents a number, like `"435"`, you can get this number as an **int** using:

```
int n = Integer.parseInt(str);
```

For data as above you should get scores $[10, 6, 9, 6]$.

Deadline: May 11 (inclusive)

Put yout Java file(s), and only Java files, in a directory the name of which is your surname (without Polish or any other non-ASCII characters). Names of Java files are arbitrary, although of course they should correspond to names of classes you created. Zip the whole directory ("from above" — not just the files inside it). Then drop the zip file created in this way into folder "Tasks / Task_XX" of the GAKKO system (where 'XX' is the task number).