

Kindergarten Garden in Scala

[Readme \(readme\)](#)[Test Suite \(../kindergarten-garden\)](#)

Kindergarten Garden

Write a program that, given a diagram, can tell you which plants each child in the kindergarten class is responsible for.

The kindergarten class is learning about growing plants. The teachers thought it would be a good idea to give them actual seeds, plant them in actual dirt, and grow actual plants.

They've chosen to grow grass, clover, radishes, and violets.

To this end, they've put little styrofoam cups along the window sills, and planted one type of plant in each cup, choosing randomly from the available types of seeds.

```
1 [window][window][window]
2 ..... # each dot represents a styrofoam cup
3 .....
```

There are 12 children in the class:

- Alice, Bob, Charlie, David,
- Eve, Fred, Ginny, Harriet,
- Ileana, Joseph, Kincaid, and Larry.

Each child gets 4 cups, two on each row. The children are assigned to cups in alphabetical order.

The following diagram represents Alice's plants:

```
1 [window][window][window]
2 VR.....
3 RG.....
```

So in the row nearest the window, she has a violet and a radish; in the row behind that, she has a radish and some grass.

Your program will be given the plants from left-to-right starting with the row nearest the windows. From this, it should be able to determine which plants belong to which students.

For example, if it's told that the garden looks like so:

```
1 [window][window][window]
2 VRCGVVRVCGGCCGVRGCVCGCGV
3 VRCCCGCRRGVCGCRVVCVCGCGV
```

Then if asked for Alice's plants, it should provide:

- Violets, radishes, violets, radishes

While asking for Bob's plants would yield:

- Clover, grass, clover, clover

The Scala exercises assume an SBT project scheme. The exercise solution source should be placed within the exercise directory/src/main/scala. The exercise unit tests can be found within the exercise directory/src/test/scala.

To run the tests simply run the command `sbt test` in the exercise directory.

For more detailed info about the Scala track see the help page (<http://help.exercism.io/getting-started-with-scala.html>).

Source

Random musings during airplane trip. view source (<http://jumpstartlab.com>)

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Beta

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