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Exercises for Programmers

57 Challenges to Develop Your Coding Skills

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The
Pragmatic
Programmers

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57 Challenges to
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Brian P. Hogan

Edited by Susannah Davidson Pfalzer

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The team that produced this book includes:

Susannah Davidson Pfalzer (editor)

Linda Recktenwald (copyedit)

Dave Thomas (layout)

Janet Furlow (producer)

Ellie Callahan (support)

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Arrays are great for storing possible responses from a program. If you combine that with a random number generator, you can pick a random entry from this list, which works great for games.

Create a Magic 8 Ball game that prompts for a question and then displays either “Yes,” “No,” “Maybe,” or “Ask again later.”

Example Output

```
What's your question? Will I be rich and famous?  
Ask again later.
```

Constraint

- The value should be chosen randomly using a pseudo random number generator. Store the possible choices in a list and select one at random.

Challenges

- Implement this as a GUI application.
- If available, use native device libraries to allow you to “shake” the 8 ball.