Magic 8-Ball

In this gentle introduction to the BBC micro:bit, you are going to create a "Magic 8-Ball" game that will convince your friends that it can predict the future.



getting **started**

First you need to visit and follow the step-by-step tutorial:

[**https://www.microbit.co.uk/u/xlhjnh**](https://www.microbit.co.uk/u/xlhjnh)

If you have a Microsoft account, you will be able to login. You can create an account for yourself or use the app without logging in.

using **the tutorial**

Click the **‘Start tutorial’** button



Follow the instructions step by step. Make sure you read the information that appears between each step so that you gain an understanding of what the code is doing (You will need to write your own instructions later).

remembering **instructions**

Write the result of each instruction below so that you can use them later when customizing your app:

|  |
| --- |
|  |
|  |
|  |
|  |
|  |
|  |

the **challenge**

Using what you have learnt, create your own “Magic 8-Ball game” with your own set of responses. ***Suggested improvements:***

* Add more responses. The Magic 8 Ball is made up of 20 responses – 10 positive, 5 negative and 5 neutral. The full list of answers are: ***Positive answers:*** It is certain;It is decidedly so**;** Without a doubt**;** Yes definitely**;** You may rely on it**;** As I see it, yes**;** Most likely**;** Outlook good**;** Yes**;** Signs point to yes. ***Negative answers:*** Don't count on it**;** My reply is no**;** My sources say no**;** Outlook not so good**;** Very doubtful. ***Neutral answers:*** Reply hazy try again**;** Ask again later**;** Better not tell you now**;** Cannot predict now**;** Concentrate and ask again.
* Add comments to your script to explain how it works
* Modify your code so that it runs when you shake the micro:bit