

Magic 8 Ball

Python

```
# Magic 8 Ball
```

```
from microbit import *
```

```
from random import randint
```

```
# Rows of the LED display. The numbers indicate LED brightness
```

```
ball = Image("09990:90999:99999:99999:09990")
```

```
while True:
```

```
    if accelerometer.was_gesture("shake"):
```

```
        display.clear()
```

```
        sleep(300)
```

```
        rando = randint(0,4)
```

```
        if rando == 0:
```

```
            display.scroll("Outcome uncertain")
```

```
        elif rando == 1:
```

```
            display.scroll("It is certain")
```

```
        elif rando == 2:
```

```
            display.scroll("Ask again later")
```

```
        elif rando == 3:
```

```
            display.scroll("Very doubtful")
```

```
        elif rando == 4:
```

```
            display.scroll("Run!")
```

```
        sleep(2000)
```

```
        display.show(ball)
```

```
        # clear the gesture history in case it was shaken while
```

```
        # the message was scrolling
```

```
        accelerometer.get_gestures()
```

```
    else:
```

```
        display.show(ball)
```