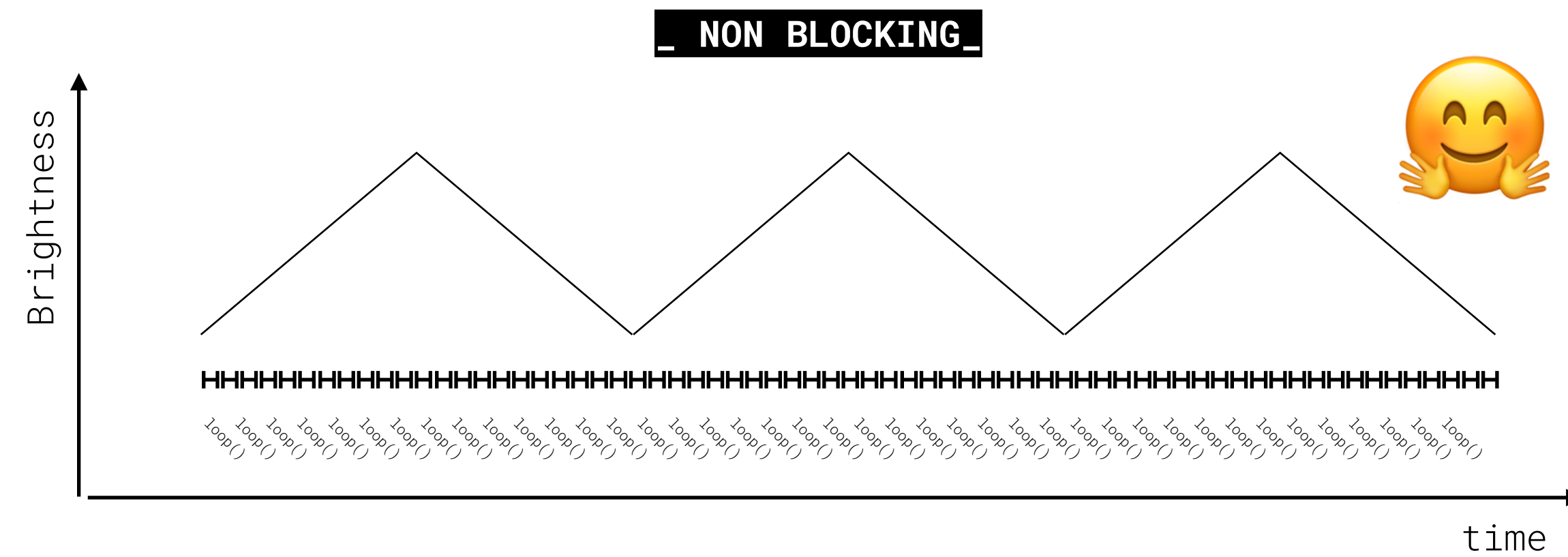
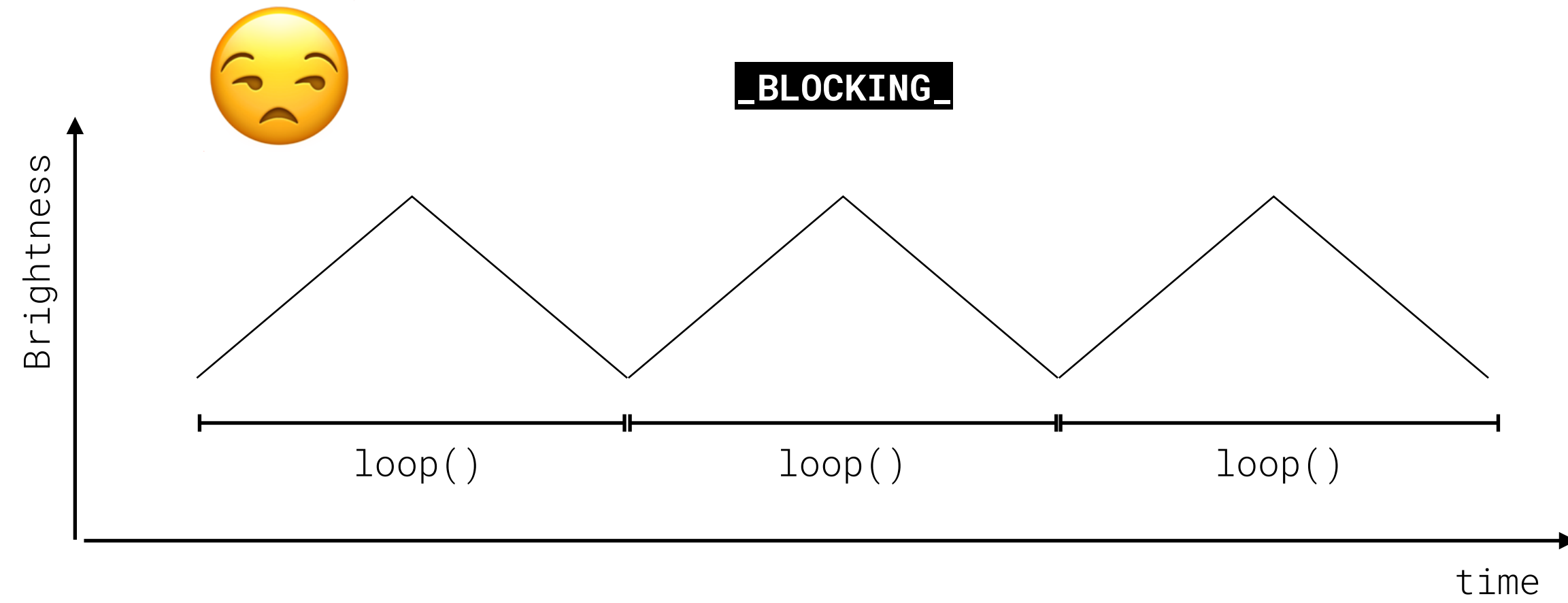


PROGRAMMING ADVANCED FEEDBACK WITH ARDUINO

Blocking vs non blocking:

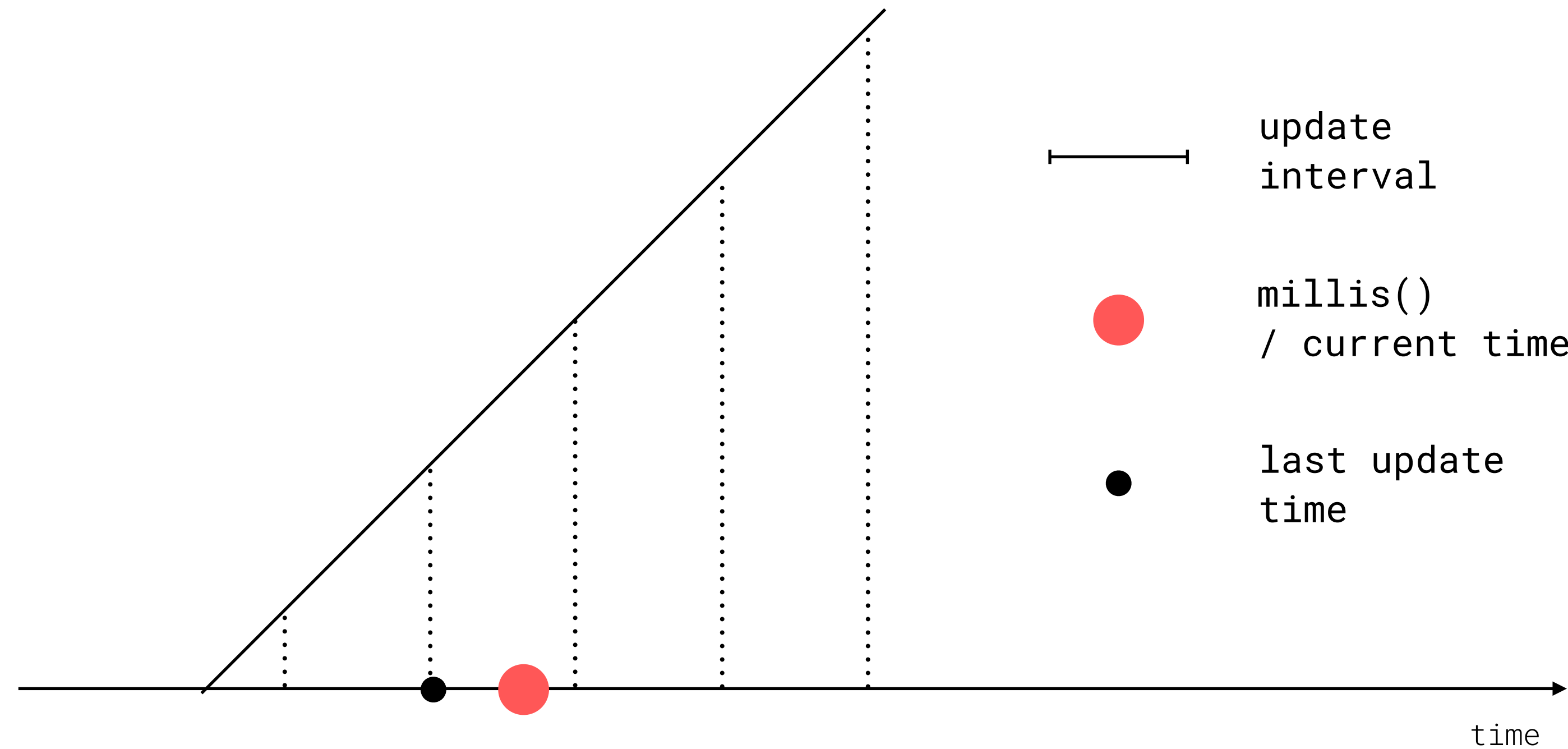


**Keep track of time
without delay()**

millis()

The amount of milliseconds that has passed
since last time we reboot the board

Keep track of time without delay()



```
if ((current time - last update time) > update interval{
```



**THE INTERVAL HAS PASSED!!!
DO YOUR THING HERE**

```
}
```

CHALLENGE 5:

Can you design and code a new animation without using delay?

OPTIONS:

- 1) blink.
- 2) color fade between colors.
- 3) blink with irregular intervals.
- 4) BE CREATIVE! :)