

day83 Arduino more coding
Due Wednesday 4/17/24

Open the Arduino IDE, open a new, empty sketch. Put your name in a comment at the very top.

Up in setup(), add the pinMode and Serial.begin calls.

In loop() do the following:

1) Turn the light at pin 13 on for 1 second, then turn it off for 1 second.

2) Write a for loop that repeats 3 times. Inside the loop turn the light on for 250 ms, then off for 250 ms. When you turn on the light, print "On " and when you turn it off print "Off ". Put all the On Offs on the same line like this:

```
On Off On Off On Off
```

Then print a blank line.

3) Write another for loop that goes from 1 to 10. Print all the numbers from 1 to 10 on a single line with a space between them like this:

```
1 2 3 4 5 6 7 8 9 10
```

Then print a blank line.

4) Write another for loop that goes from 1 to 10. Print all the squares of the numbers on a single line with a space between them like this:

```
1 4 9 16 25 36 49 64 81 100
```

Then print a blank line.

5) Add a delay(3000) call before the final close }

The final output will look like this:

```
On Off On Off On Off  
1 2 3 4 5 6 7 8 9 10  
1 4 9 16 25 36 49 64 81 100
```

plus the light will be blinking on and off (1 second on, 1 second off, then 3 short on/off).

Call me over to see your program, then also turn it in on the Google Classroom.