



Activity 2.3: Create Your Own Program

Task 1: Plan out your code

Write in a bulleted list what you want your code to do.

- LED blinking with different frequencies and brightness
- Printing message after every blink

Task 2: Code Your Program

- ☒ ~~Code your program once Task 1 is complete~~

Task 3: Incorporate the LunaSat

- ☒ ~~Compile your code~~
- ☒ ~~Upload your code~~
- ☒ ~~Check your end code with your plan from Task 1. Did it accomplish what you wanted?~~

Yes, leds are blinking by turn with different brightness (0-255), in serial monitor we can see

Task 4: Optional and if time permits

Feel free to explore these ideas with your code.

- ☒ ~~Blink LEDs in a pattern~~
- ☒ ~~Loop through printing various statements~~
- ☒ ~~Practice initializing variables and solve a math equation~~
- ☒ ~~Consider what you may change to make the LEDs blink faster~~
- ☒ ~~What about slower?~~
- ☒ ~~Challenge: Can you dim the LEDs instead of turning them all the way off?~~