Activity 2.1: *Hello World*

Team #3344

Task 1: Briefly describe what each Arduino component does/is:

- **Sketch -file with all code**
- **void setup - function which runs once at the beginning of the program(we can initialize here)**
- **Serial.begin(9600) - initialize bound rate speed of serial communication**
- **Serial.print - write ASCII character in serial monitor**
- **Serial.println - print with /n (each sentens starts in new line)**
- **Verify - checking for errors, compiling**
- **Upload - uploading program to the device (and compiling)**
- **Serial Monitor - allows to see serial communication results**

Task 2: Complete each task for Activity 2.1 - Part 1

- ☑ ~~Launch Arduino and rename your sketch~~
- ☑ ~~Set the baud rate in your code to 9600~~
- ☑ ~~Write code to tell the LunaSat to say "Hello World!"~~
- ☑ ~~Comment your code~~
- ☑ ~~Verify~~
- ☑ ~~Upload your code~~
- ☑ ~~Launch your serial monitor~~

Task 3: Briefly describe what each Arduino element does/is:

- **// - after that you can type a comment**
- **void loop - that is part of program where you code what should happened on your microcontroller it is close to while{} in main in C language**
- **delay(5000) - program will wait 5s in this line then move on**

Task 4: Complete each task for Activity 2.1 - Part 2

- ☑ ~~Launch Arduino and rename your sketch~~
- ☑ ~~Modify code from Part 1~~
- ☑ ~~Write code to tell the LunaSat to say "Hello World!" every 5 seconds~~
- ☑ ~~Verify~~
- ☑ ~~Upload your code~~
- ☑ ~~Launch your serial monitor~~

Task 5: Write below what your serial monitor displays over 20 seconds

Activity 2.1: *Hello World*

12:00:42.034 -> Hello Luna!

12:00:47.046 -> Hello Luna!

12:00:52.026 -> Hello Luna!

12:00:57.028 -> Hello Luna!