PROGRESS REPORT 1

Name: Kartikeya Tiwari

Subsystem: Coding

Date of Submission: 8/12/2020

Reporting Progress from: 8/12/2020 To 13/12/2020

Progress:

C++

- Installed Visual Studio Code and now use it as default IDE for c++ linked it with github.
- Learnt about pointers in C++ and '*' and '&' operator.
- Learnt about calling functions in C++.
- Learnt how to pass arrays in functions using pointers.

GitHub

- Completed and added worksheet 2 in github repository.

Arduino

- Installed Arduino IDE.
- Read about all the pins in Arduino including digital, analogue, GND, 5V, 3.3V.
- Read about PWM (Pulse Width Modulation) and how analogue signal can be turned to digital.
- Read about uses of Analogue and Digital Outputs.

TinkerCad

- Created a TinkerCad account.
- Learnt the circuit and working of Bread-Board.
- Created my first blinking LED circuit using bread-board and Arduino.
- Created a double-blinking LED(staggered blinking) using bread-board and Arduino.

Issues faced

- Working with double-dimension arrays while using pointers is a confusing challenge, hence took some time to get used to it.
- Read about vectors as substitute to the arrays in C++, will learn about them in the coming week.