DOOR LOCK ALGORITHM

An **algorithm** is a step by step method of solving a specific problem which must be clear and unambiguous, has an input and an output and should be finite.

PSUEDOCODE

It is a way of representing real programming functions and terms in a human language English for me, to make it easier to understand, i will represent it as follws..

Void Setup ( ) {   /* void setup is technically a function that you create at the top of each program. Inside the curly brackets is the code you want to run one time as soon as the program starts running   */

- Make servo attach to **pin 8** .

- Using the RGB, we are going to

- Make red LED connected to pin **5 OUTPUT**.

- Make green LED connected to pin **4 OUTPUT**.

- Make sound Buzzer **OUTPUT**.

}

Void Loop ( ) {   /*   This is where the bulk of your arduino sketch is executed. The program starts from the opening curly brackets and ends at the clossing curly brackets then jumps back up to the first line in loop and starts all over.   */

- Get card readings by RFID (radio frequency identification) module.

    If (readings correct)

- Let green LED on for 3 sec and door open.

    Else if (Incorrect)

- Get 3 trials with red LED on in each trial for 3 sec.

    Else

- Let the Red LED Turn on alongside with Sound Buzzer Alarm.

}