**ECE241** 

```
// =>creates a char variable to manage the letter, creates an int variable, a
long to keep track of time, and the message that will combine the two
char letter = 'A';
int number = 0;
unsigned long timer;
char message = letter + number;
// =>Sets the baud rate to 9600 and the timer equal to millis()
void setup(){
 Serial.begin(9600);
 timer = millis();
//=>This method will loop as long as the program is running
void loop()
{
    //=> will check if it has been 500ms since last iteration, then prints
the message to the serial port and increments number and letter.
  if (millis() - LedTimer >= 500){
    Serial.print(message);
    letter += 1;
    number += 1;
    message = letter + number;
   Timer += 500;
  }
  //checks if Serial available and if it reads 'R' it resets the transmission
to 'A0'
  if (Serial.available()){
    if (Serial.read() = 'R';{
        letter = 'A';
        number = 0;
    }
  }
}
```