/\* Create a program that illuminates the green LED if the counter is less than 100, illuminates the

yellow LED if the counter is between 101 and 200 and illuminates the red LED if the counter is

greater than 200

\*/

//Ganesh bodakhe

//A21

const int greenLedPin = 2;

const int yellowLedPin = 3;

const int redLedPin = 4;

int counter = 0;

void setup() {

pinMode(greenLedPin, OUTPUT);

pinMode(yellowLedPin, OUTPUT);

pinMode(redLedPin, OUTPUT);

Serial.begin(9600);

}

void loop() {

counter++;

if (counter < 100) {

digitalWrite(greenLedPin, HIGH);

digitalWrite(yellowLedPin, LOW);

digitalWrite(redLedPin, LOW);

} else if (counter >= 101 && counter <= 200) {

digitalWrite(greenLedPin, LOW);

digitalWrite(yellowLedPin, HIGH);

digitalWrite(redLedPin, LOW);

} else if (counter > 200) {

digitalWrite(greenLedPin, LOW);

digitalWrite(yellowLedPin, LOW);

digitalWrite(redLedPin, HIGH);

}

Serial.println(counter);

delay(100);

}