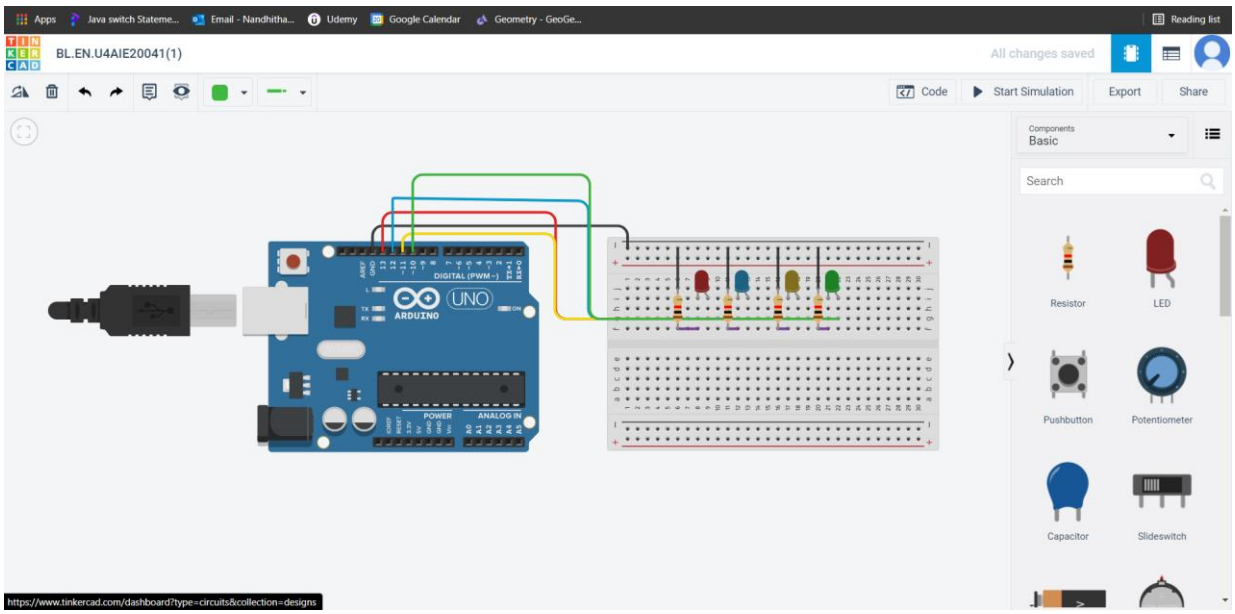
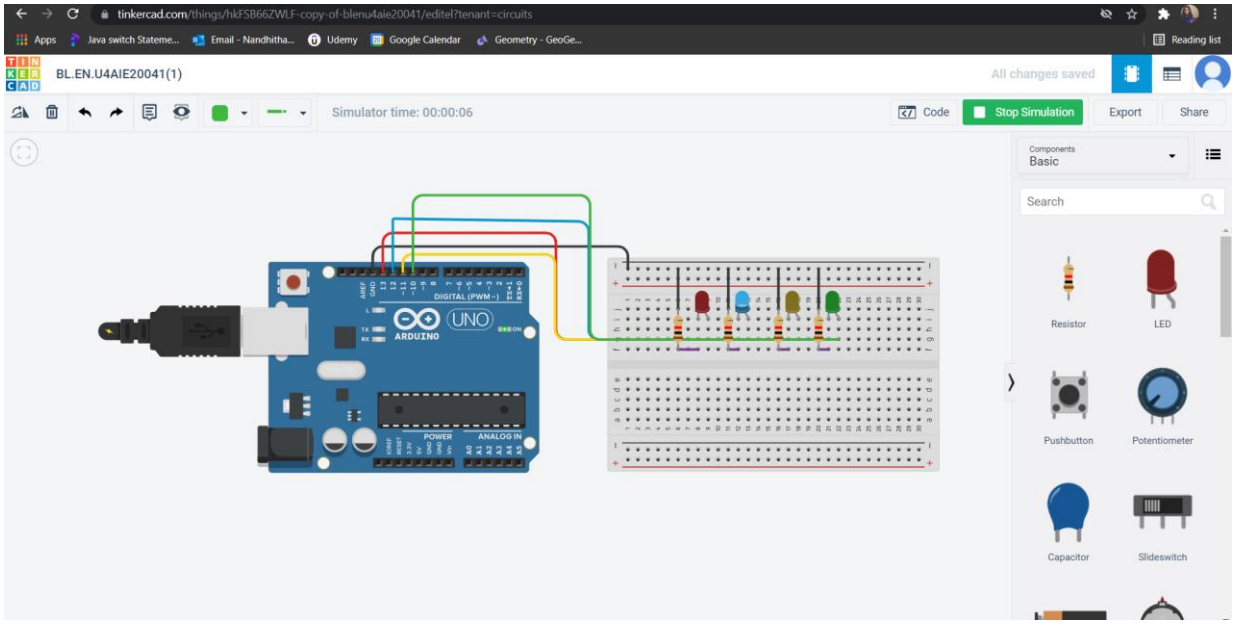
Reg No:BL.EN.U4AIE20041
Name:Nandhitha Ravishankar

19AIE102 – Introduction to Drones

Lab Submission

1. Copy and paste your question here





Reg No:
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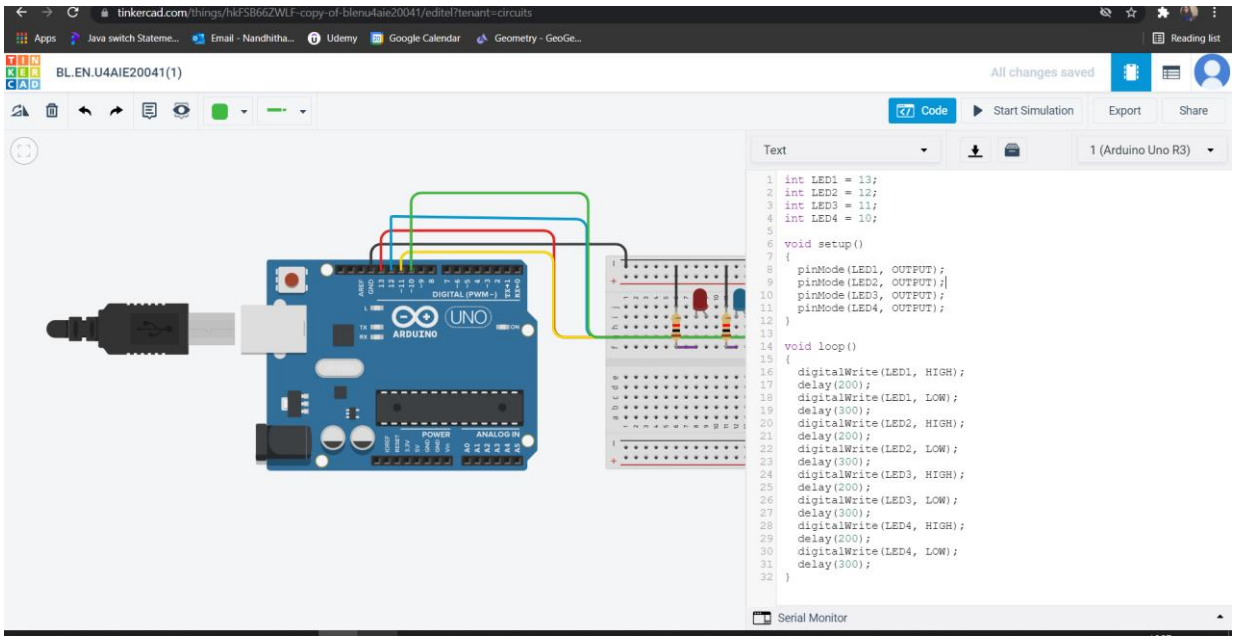
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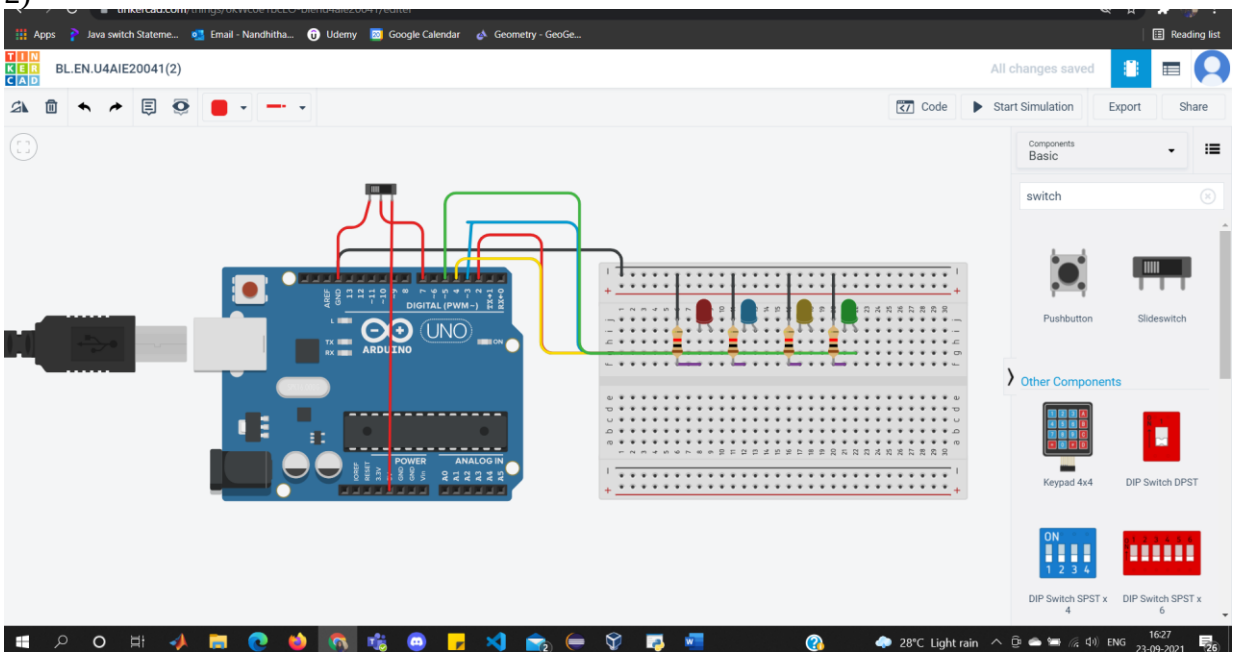
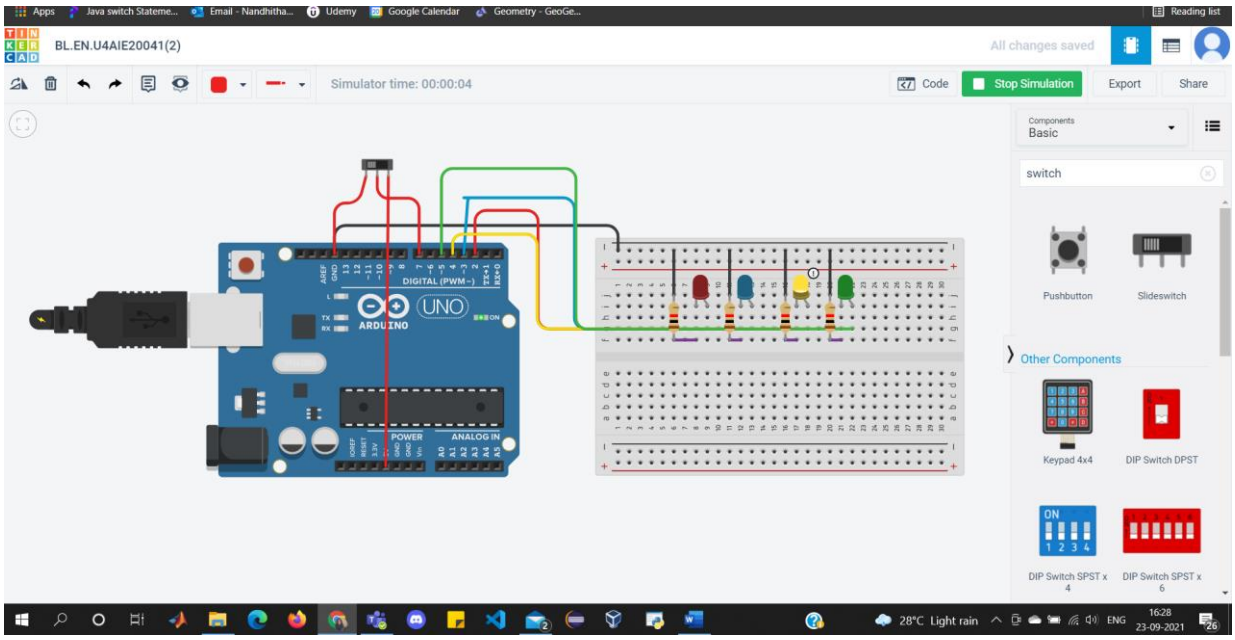
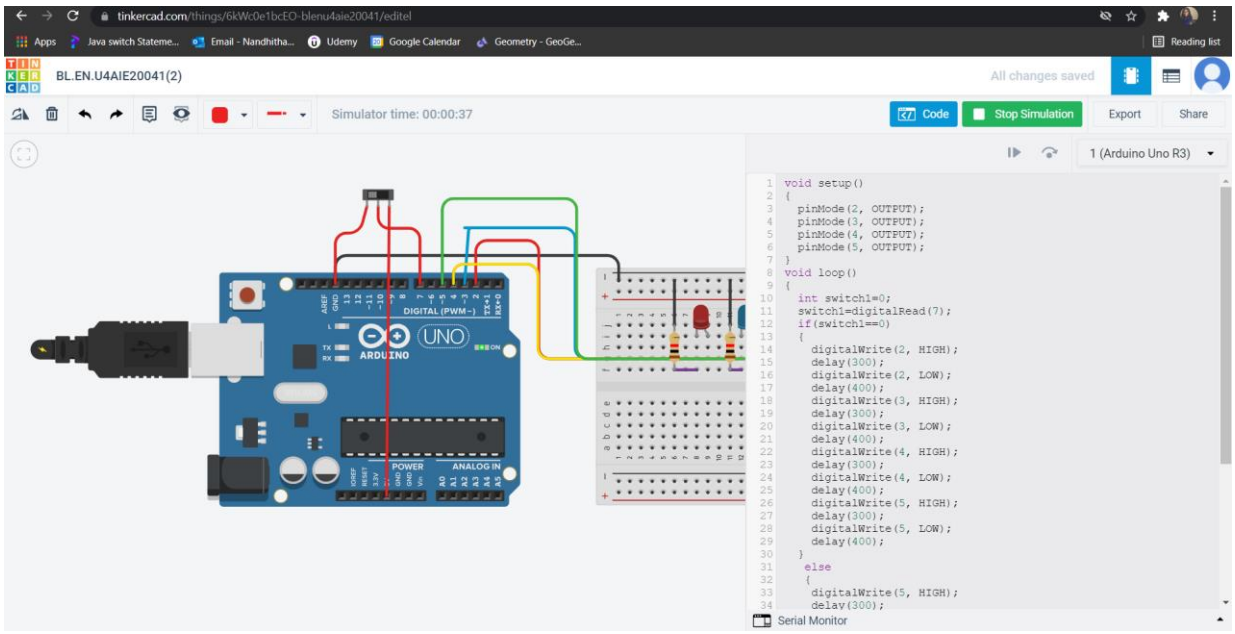
BL.EN.U4AIE20041(1)
All changes saved
Code
Start Simulation
Export
Share
Text
1 (Arduino Uno R3)
int LED1 = 13;
int LED2 = 12;
int LED3 = 11;
int LED4 = 10;
void setup()
{
pinMode(LED1, OUTPUT);
pinMode(LED2, OUTPUT);
pinMode(LED3, OUTPUT);
pinMode(LED4, OUTPUT);
}
void loop()
{
digitalWrite(LED1, HIGH);
delay(200);
digitalWrite(LED1, LOW);
delay(300);
digitalWrite(LED2, HIGH);
delay(200);
digitalWrite(LED2, LOW);
delay(300);
digitalWrite(LED3, HIGH);
delay(200);
digitalWrite(LED3, LOW);
delay(300);
digitalWrite(LED4, HIGH);
delay(200);
digitalWrite(LED4, LOW);
delay(300);
}
Serial Monitor

2)


BL.EN.U4AIE20041(2)
All changes saved
Code
Start Simulation
Export
Share
Components
Basic
switch
Pushbutton
Slideswitch
Other Components
Keypad 4x4
DIP Switch DPST
DIP Switch SPST x 4
DIP Switch SPST x 6

Reg No:
Name:


BL.EN.U4AIE20041(2)
All changes saved
Simulator time: 00:00:04
Code
Stop Simulation
Export
Share
Components
Basic
switch
Pushbutton
Slideswitch
Other Components
Keypad 4x4
DIP Switch DPST
DIP Switch SPST x 4
DIP Switch SPST x 6
ARDUINO
UNO
DIGITAL (PWM~)
POWER
ANALOG IN
28°C Light rain
ENG
16:28
23-09-2021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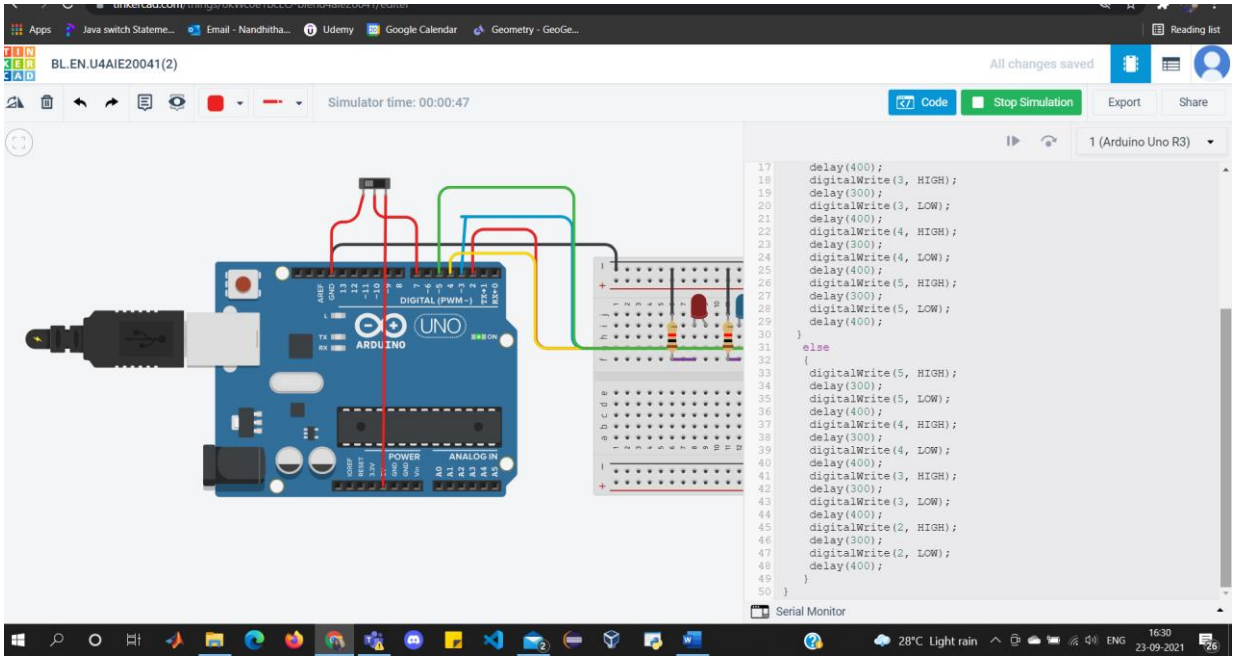
BL.EN.U4AIE20041(2)
All changes saved
Simulator time: 00:00:37
Code
Stop Simulation
Export
Share
1 (Arduino Uno R3)
void setup()
{
pinMode(2, OUTPUT);
pinMode(3, OUTPUT);
pinMode(4, OUTPUT);
pinMode(5, OUTPUT);
}
void loop()
{
int switch1=0;
switch1=digitalRead(7);
if(switch1==0)
{
digitalWrite(2, HIGH);
delay(300);
digitalWrite(2, LOW);
delay(400);
digitalWrite(3, HIGH);
delay(300);
digitalWrite(3, LOW);
delay(400);
digitalWrite(4, HIGH);
delay(300);
digitalWrite(4, LOW);
delay(400);
digitalWrite(5, HIGH);
delay(300);
digitalWrite(5, LOW);
delay(400);
}
else
{
digitalWrite(5, HIGH);
delay(300);
Serial Monitor

Reg No:
Name:




```
    delay(400);
    digitalWrite(3, HIGH);
    delay(300);
    digitalWrite(3, LOW);
    delay(400);
    digitalWrite(4, HIGH);
    delay(300);
    digitalWrite(4, LOW);
    delay(400);
    digitalWrite(5, HIGH);
    delay(300);
    digitalWrite(5, LOW);
    delay(400);
  }
  else
  {
    digitalWrite(5, HIGH);
    delay(300);
    digitalWrite(5, LOW);
    delay(400);
    digitalWrite(4, HIGH);
    delay(300);
    digitalWrite(4, LOW);
    delay(400);
    digitalWrite(3, HIGH);
    delay(300);
    digitalWrite(3, LOW);
    delay(400);
    digitalWrite(2, HIGH);
    delay(300);
    digitalWrite(2, LOW);
    delay(400);
  }
}
```

a.

Reg No:
Name:

Output snapshot with file name clearly visible