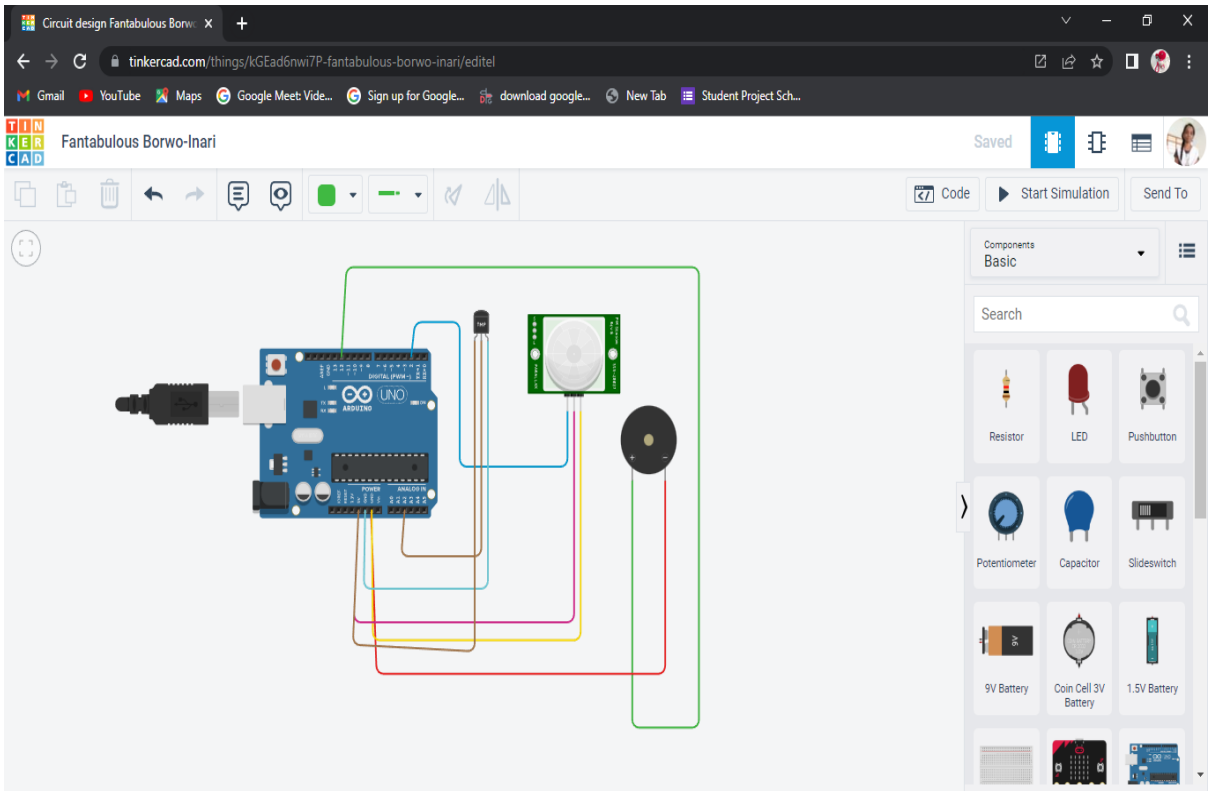
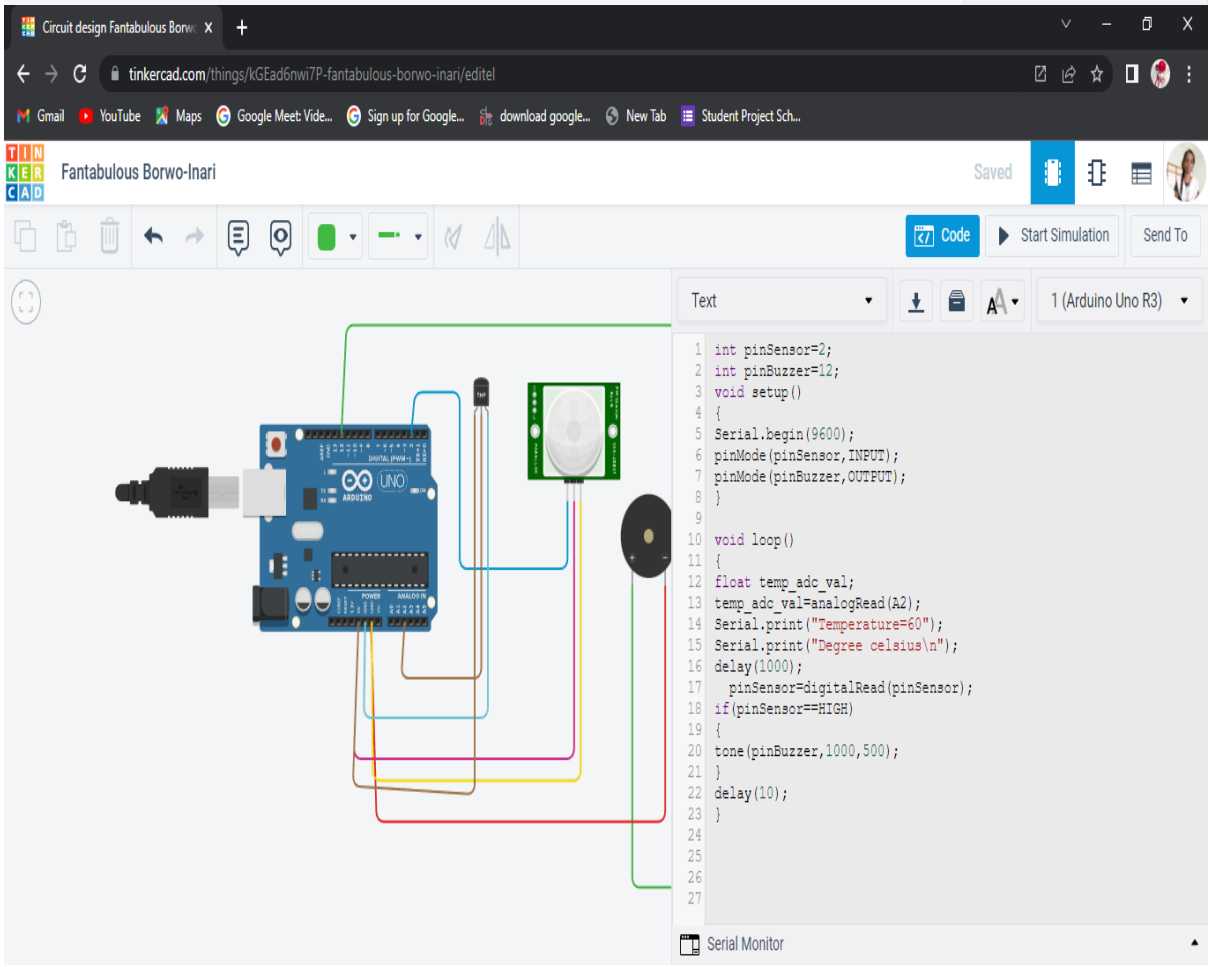
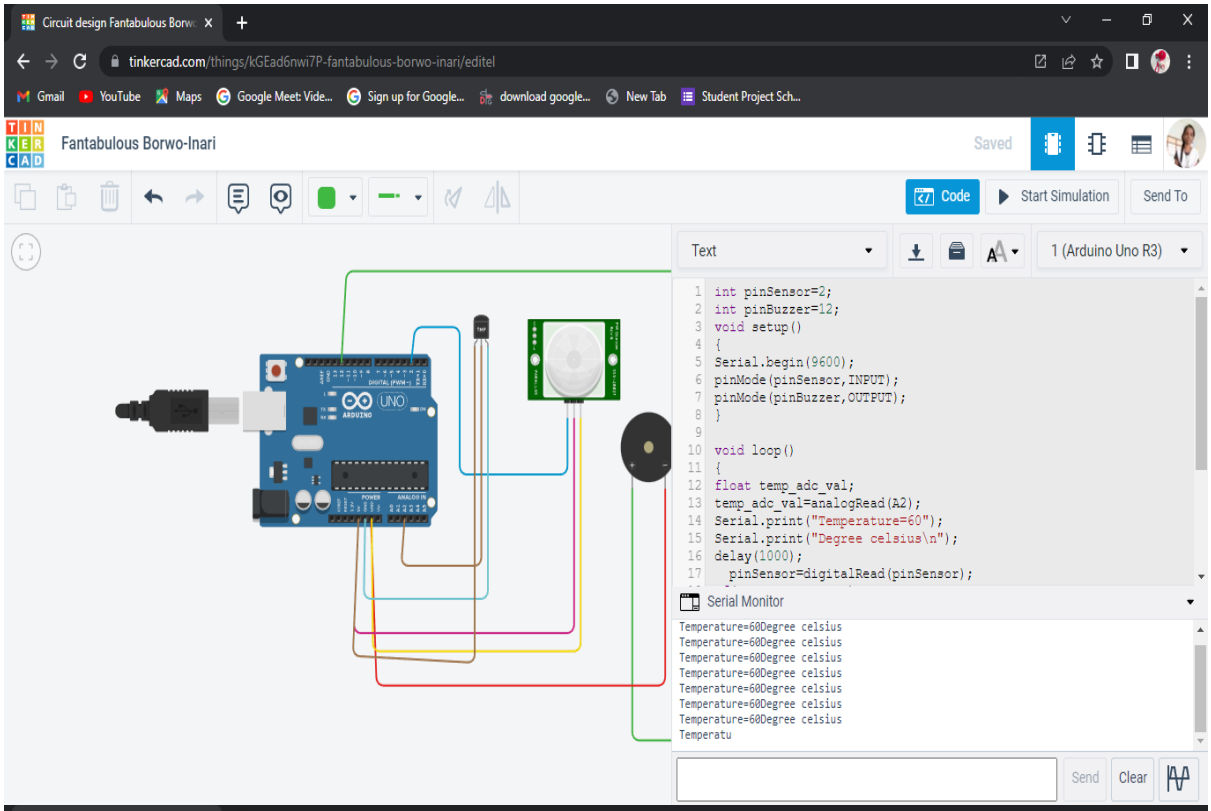
IBM ASSIGNMENT 1



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Fantabulous Borwo-Inari
Saved
Code
Start Simulation
Send To
Text
1 (Arduino Uno R3)
int pinSensor=2;
int pinBuzzer=12;
void setup()
{
Serial.begin(9600);
pinMode(pinSensor,INPUT);
pinMode(pinBuzzer,OUTPUT);
}
void loop()
{
float temp_adc_val;
temp_adc_val=analogRead(A2);
Serial.print("Temperature=60");
Serial.print("Degree celsius\n");
delay(1000);
pinSensor=digitalRead(pinSensor);
Serial Monitor
Temperature=60Degree celsius
Temperature=60Degree celsius
Temperature=60Degree celsius
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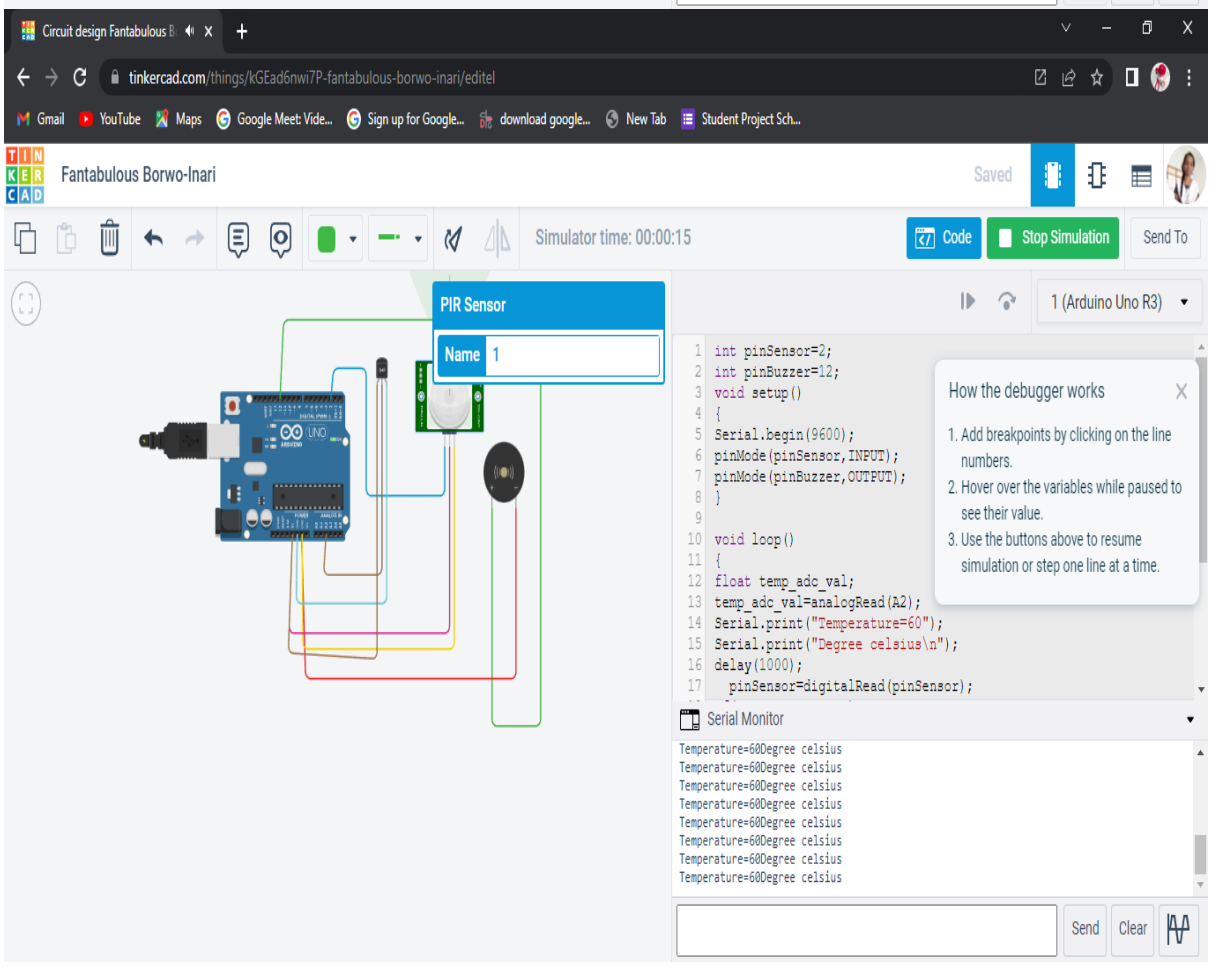
Temperatu
Send
Clear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Fantabulous Borwo-Inari
Saved
Simulator time: 00:00:15
Code
Stop Simulation
Send To
PIR Sensor
Name 1
1 (Arduino Uno R3)
How the debugger works
1. Add breakpoints by clicking on the line numbers.
2. Hover over the variables while paused to see their value.
3. Use the buttons above to resume simulation or step one line at a time.
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int pinBuzzer=12;
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Temperature=60Degree celsius
Temperature=60Degree celsius
Temperature=60Degree celsius
Send
Clear

CODE:

```
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int pinBuzzer=12;
void setup()
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Serial.begin(9600);
pinMode(pinSensor,INPUT);
pinMode(pinBuzzer,OUTPUT);
}

void loop()
{
float temp_adc_val;
temp_adc_val=analogRead(A2);
Serial.print("Temperature=60");
Serial.print("Degree celsius\n");
delay(1000);
pinSensor=digitalRead(pinSensor);
if(pinSensor==HIGH)
{
tone(pinBuzzer,1000,500);
}
delay(10);
}
```