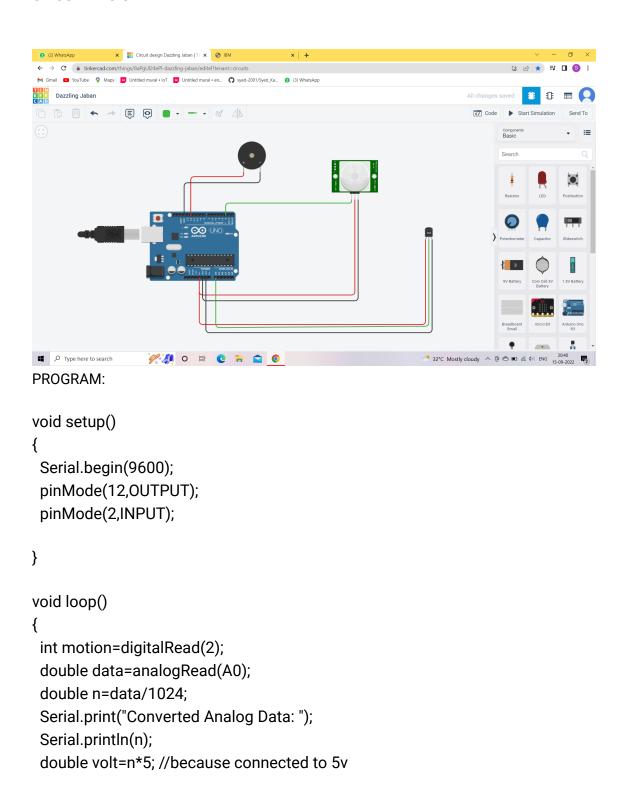
ASSIGNMENT-1

CIRCUIT DESIGN:



```
Serial.print("Voltage data: ");
 Serial.println(volt);
 double off=volt-0.5;
 Serial.print("Offset Data: ");
 Serial.println(off);
 double temperature=off*100;
 Serial.print("Temperature Data: ");
 Serial.println(temperature);
 if(motion==1 && temperature<60)
  tone(12,100);
 else if(motion==0 && temperature>60)
  tone(12,400);
 else if(motion==1 && temperature>60)
  noTone(12);
 else if(motion==0 && temperature<60)
  noTone(12);
}
```

OUTPUT:

