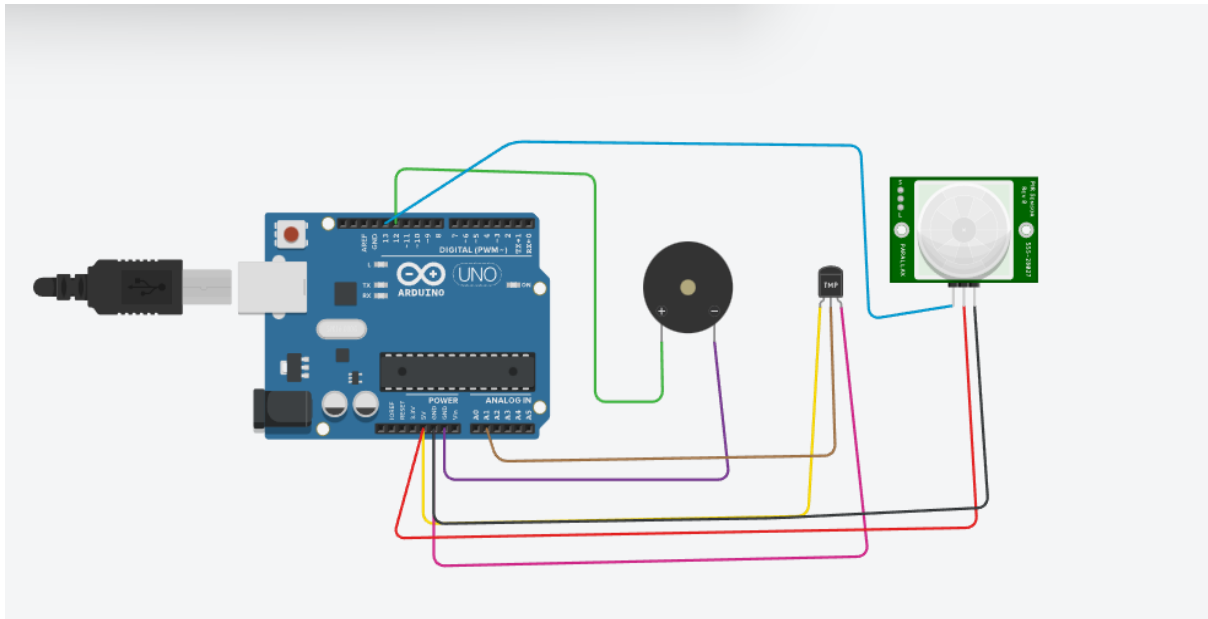IBM

ASSIGNMENT

PROGRAM

```
void setup()
{
pinMode(A1,INPUT);
pinMode(12,OUTPUT);
pinMode(13,INPUT);
Serial.begin(9600);
}
void loop()
{
int temp=analogRead(A1);
temp=temp*0.488;
Serial.print("temp:");
Serial.println(temp);
if(temp <60){
digitalWrite(12,HIGH);
}
else{
digitalWrite(12,LOW);
}
delay(100);
}
int motion=digitalRead(13);
if(motion==HIGH){
digitalWrite(12,HIGH);
tone(13,500);
}
else{
digitalWrit
```

```
e(12,LOW);

}

delay(200);

}
```

OUTPUT