Name – Parag Gattani

Program No. – 09

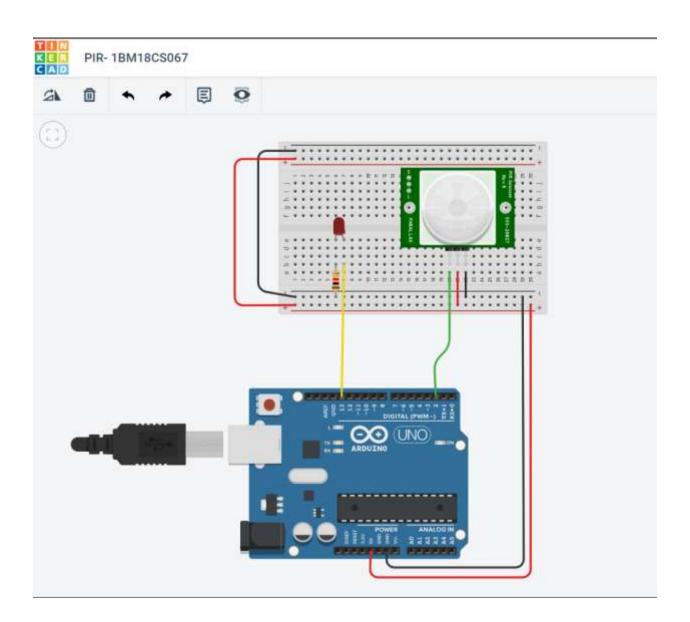
Program Title - PIR

AIM

Demonstrate to show working of PIR sensor.

HARDWARES REQUIRED

- Arduino Board
- PIR sensor
- Resistor
- LED pin
- Breadboard Small



```
Name - Pang Gattans
USN - 18MJECS067
                                                    30 /09 2020
F. dr.3
         Alm:
           Demonstrate to show the working of PIR sensor.
        Hardware Regulared:
               LED En, Andulus Board, Bredhoard, Rustor,
          PIR SUMBOR.
        Code :-
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        Odute blow
               panMode (2, INPUT);
               pluMode (13, OUTPUT);
               Sural .. bugen (9600);
         vold loop ()
                summer state = degetal Read (2);
               of ( surson state = = HIGH)
                      degetal West (13, HIGH);
                     Sursal prently ( " sursar arteristed ");
                chu
                     degetal write (13, LOW);
                dulay (10);
```

```
int sensorState = 0;
void setup()
{
 pinMode(2, INPUT);
 pinMode(13, OUTPUT);
 Serial.begin(9600);
}
void loop()
{
 sensorState = digitalRead(2);
 if (sensorState == HIGH) {
  digitalWrite(13, HIGH);
  Serial.println("Sensor activated!");
 } else {
  digitalWrite(13, LOW);
  Serial.println("Sensor deactivated!");
 }
 delay(5); }
```

OUTPUT

Designed a system to show working of PIR Sensor.