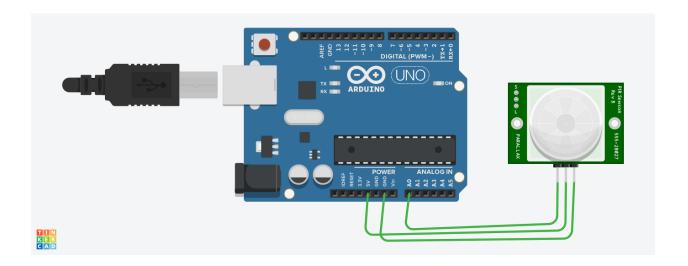# PIR SENSOR WITH ARDUINO SIMULATION

CODE:

```
Int a=0;

int b=0;


void setup()

{

  Serial.begin(9600);

  pinMode(13, OUTPUT);

}


void loop()

{

  a=analogRead(A0);

  b=map(a,0,1023,0,255);

  Serial.println(b);

  if(b>100)

  {

   Serial.println("motion detected");

   delay(100);

  }


}
```