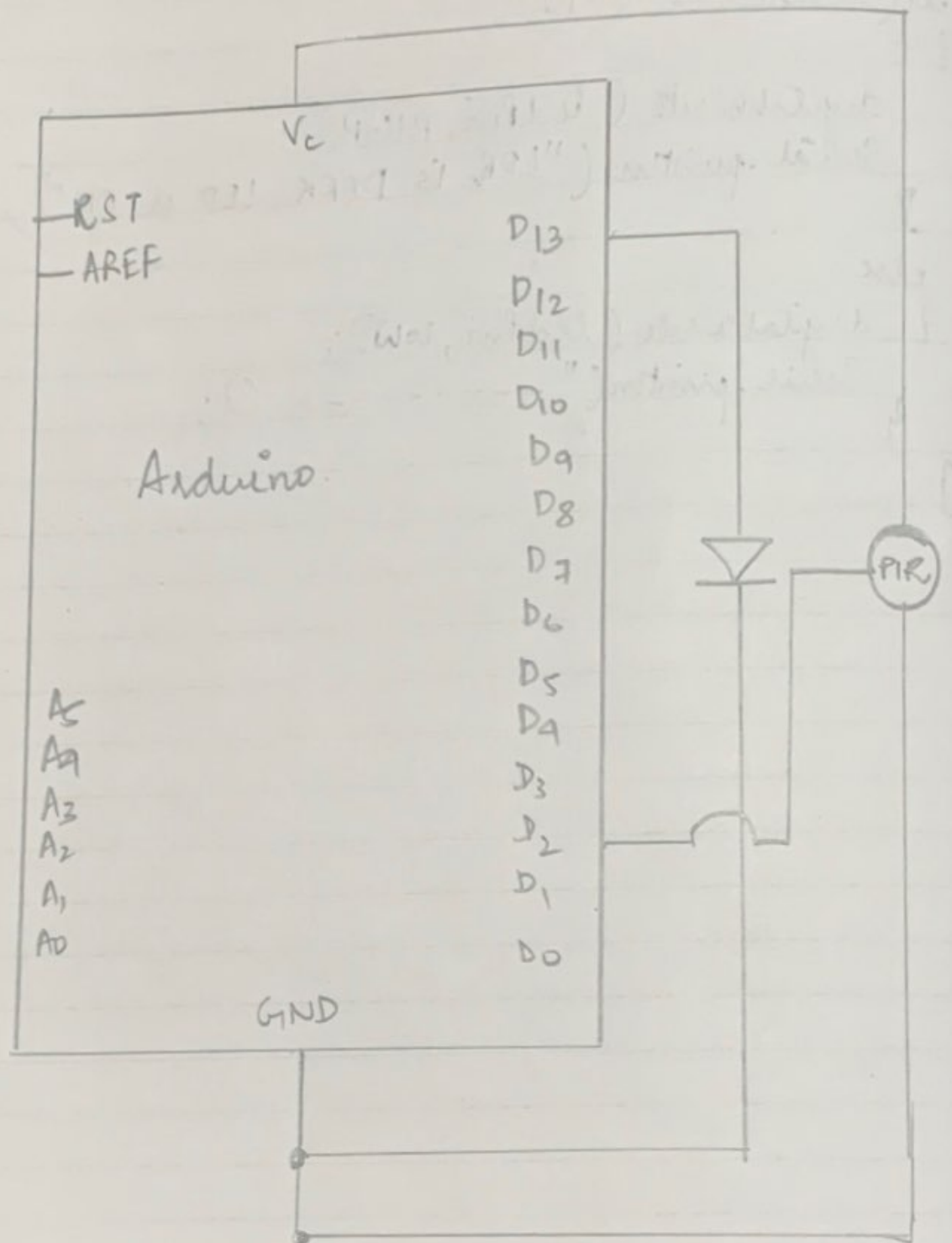


Circuit diagram:



AIM: Demonstrate to show the working of PIR sensor.

Hardware Required:

Arduino board

LED

Photoresistor

Breadboard.

Code:

```
int sensorState = 0;
```

```
void setup()
```

```
{ pinMode(2, INPUT);
```

```
  pinMode(13, INPUT);
```

```
  Serial.begin(9600);
```

```
}
```

```
void loop()
```

```
{ sensorState = digitalRead(2);
```

```
  if(sensorState == HIGH)
```

```
  { digitalWrite(13, HIGH);
```

```
    Serial.println("sensor activated!");
```

```
  }
```

```
  else
```

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```
{ digitalWrite (13, LOW);  
  Serial.println ("sense deactivated !");  
}  
delay (10);  
}
```

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