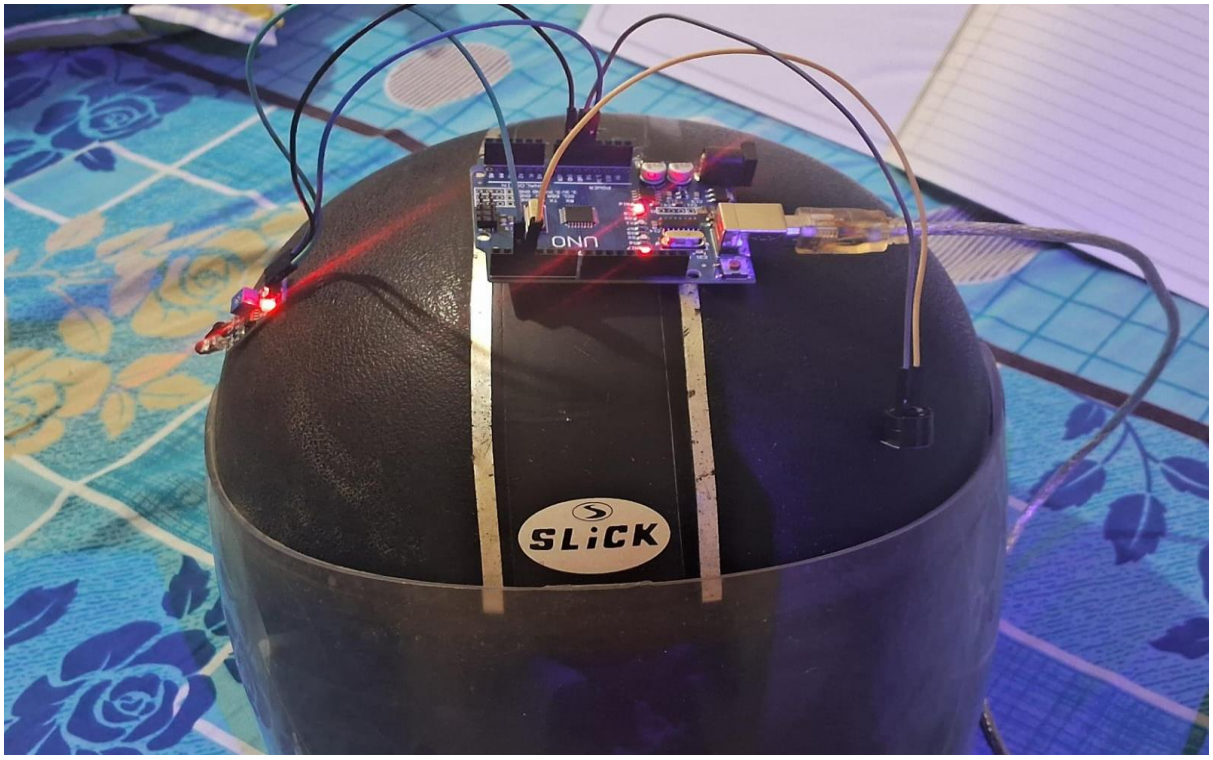
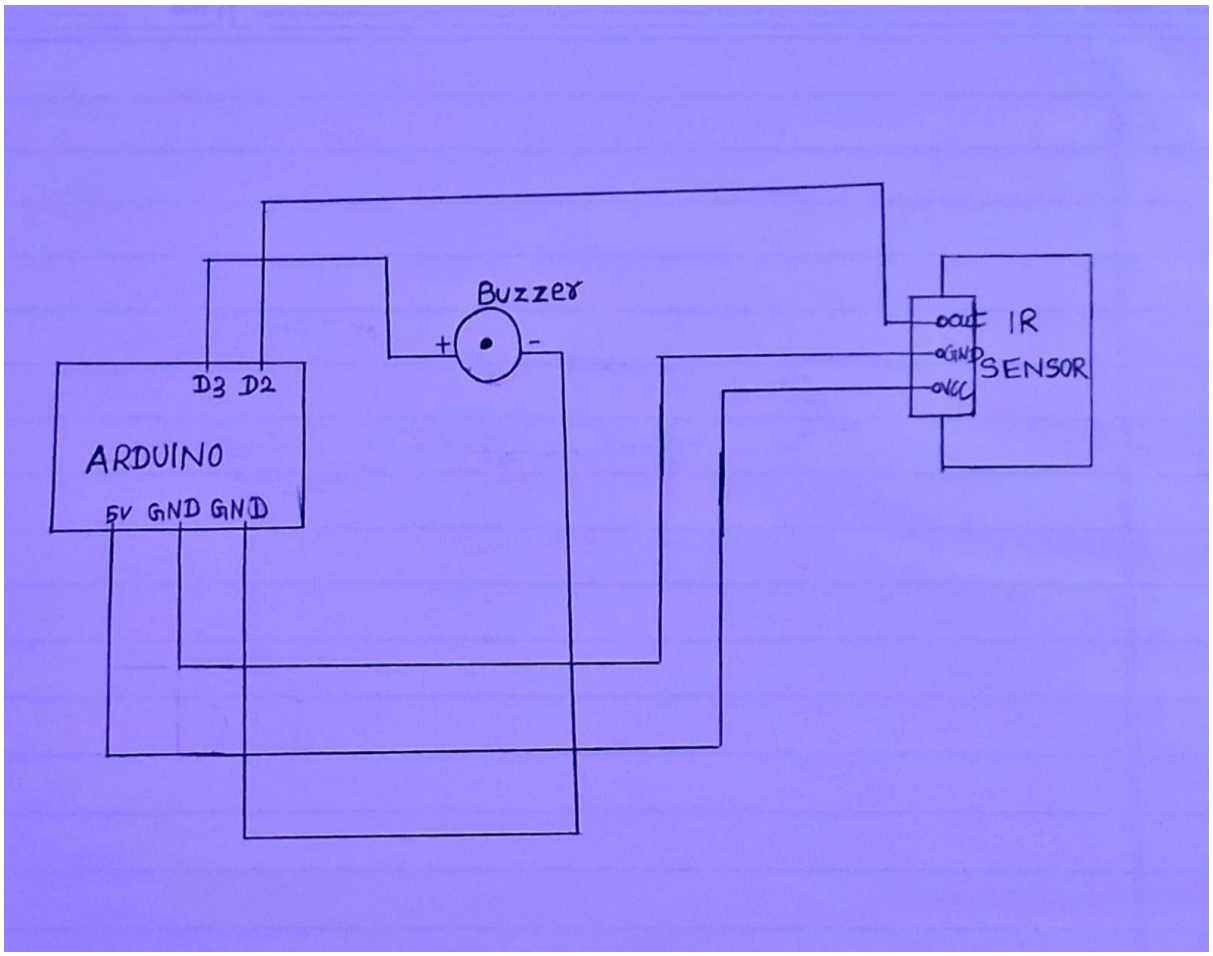
CODE

```
int irsensor = 2; // IR sensor output pin
int buzzer   = 3; // Buzzer pin
void setup () {
    pin Mode (irsensor, INPUT);
    pin Mode (buzzer, OUTPUT);
    Serial.begin(9600);
}
void loop () {
    int helmet Status = digital Read(irsensor);
    if (helmet Status == LOW) {
         // Helmet not worn
        digital Write (buzzer, HIGH);
        Serial.println("Helmet NOT worn!");
    } else {
       // Helmet worn
      digital Write (buzzer, LOW);
      Serial.println("Helmet worn.");
   }
  delay (200);
}
```

IMAGE OF PROTOTYPE

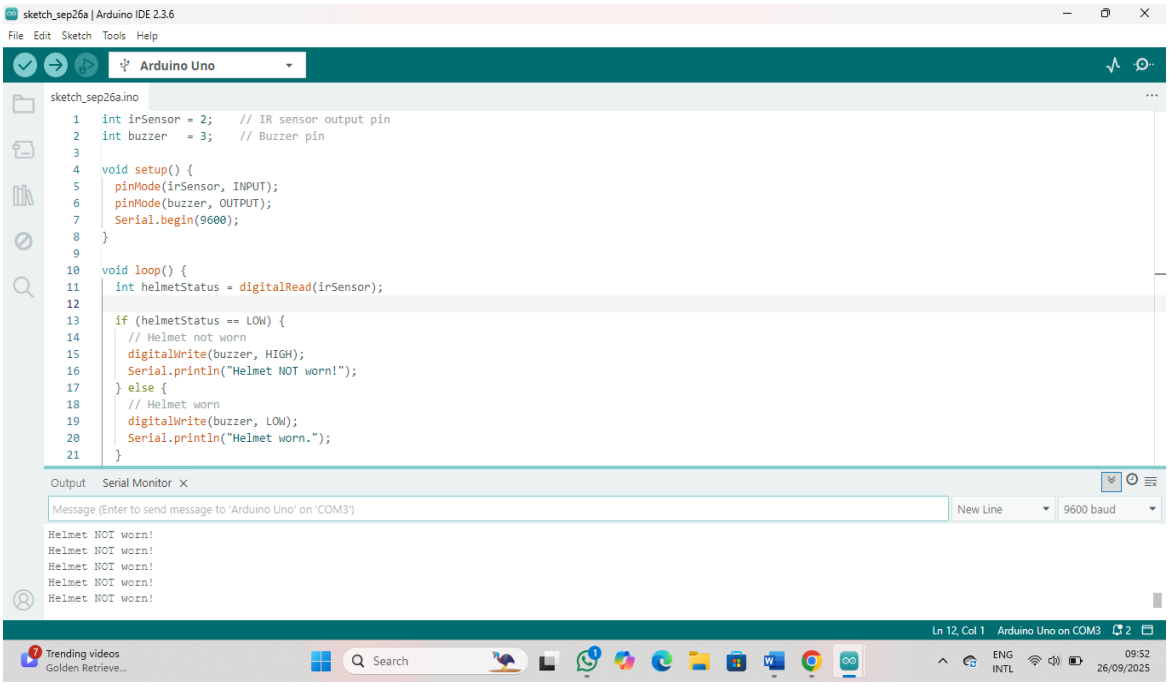


CIRCUIT DIAGRAM

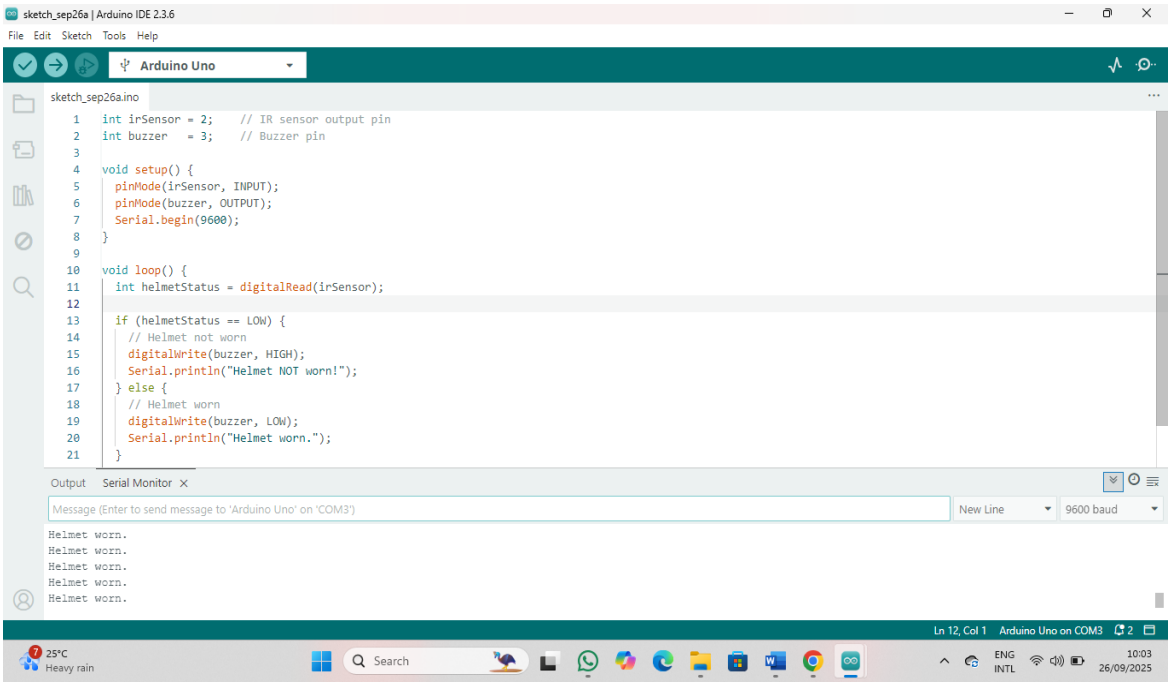


WORKING OUTPUT

- **Helmet not worn**



- **Helmet worn**




SLICK
FALCON
FALCON