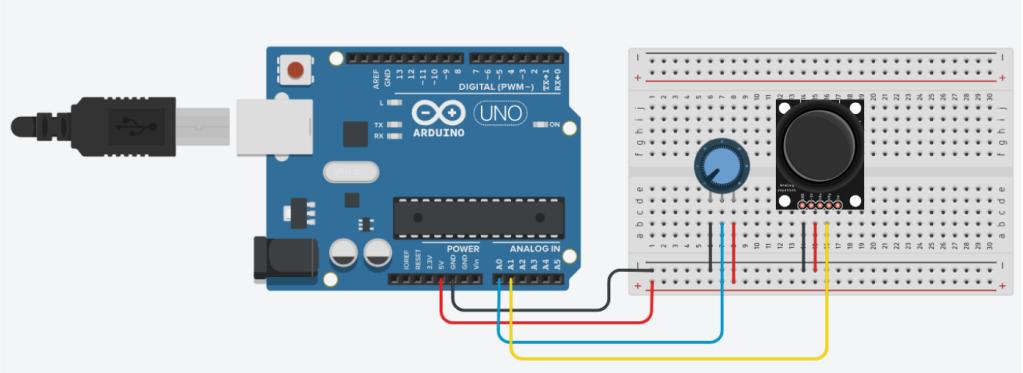
Arduino Board:



Program code:

```
/ / This code runs on an Arduino Uno connected to a potentiometer and a joystick.
/ / Signals from these sensors are sent through USB and used to control the car motion.

/ / Define the pin for the joystick and the potentiometer input as well as variables to store the collected data
#define JOYSTICKY_PIN A1
int dirstick = 0;
#define POTENTIOMETER_PIN A0
int dirangle = 0;

void setup() {
/ / Initialise serial communication
  Serial.begin(115200);
}

void loop() {
  / / Read the analog value from the joystick pin
  int joystickValue = analogRead(JOYSTICKY_PIN);
  / / Map this value from the range 0 to 1023 to -180 to 180 to set the car y-axis
  dirstick = map(joystickValue, 0, 1023, -180, 180);
  / / Read the analog value from the potentiometer pin
  int data = analogRead(POTENTIOMETER_PIN);
  / / Map this value from the range 0 to 1023 to -90 to 90 to set the car x-axis
  dirangle = map(data, 0, 1023, -90, 90);

  / / Send message across the USB
  Serial.print(dirstick);
  Serial.print(' ');
  Serial.print(dirangle);
  Serial.println("");
  Serial.flush();

  delay(10);
}
```