

Movement Commands

Move Forward: `car.moveForward(speed, duration)`

Move Backward: `car.moveBackward(speed, duration)`

Turn Left: `car.turnLeft(speed, duration)`

Turn Right: `car.turnRight(speed, duration)`

Stop Time: `car.stopTime(mS)`

Custom Movement: `car.customMovement(forwardA, forwardB, speedA, speedB, duration)`

Line Following Commands

Follow Line: `car.followLine(threshold)`

Stop At Line: `car.stopAtLine(threshold)`

Sensor Commands

Check for Obstacle: `car.checkObstacleInFront()`

Get Line Sensor Left: `car.getLineSensorLeft()`

Get Line Sensor Middle: `car.getLineSensorMiddle()`

Get Line Sensor Right: `car.getLineSensorRight()`

Get Left Distance: `car.getLeftDistance()`

Get Right Distance: `car.getRightDistance()`

Get Center Distance: `car.getCenterDistance()`

Claw Mechanism Commands

Attach Claw: `car.attachClaw(pin)`

Open Claw: `car.openClaw()`

Close Claw: `car.closeClaw()`

Battery and Servo

Get Battery Level: `car.getBatteryLevel()`

Look Left: `car.lookLeft()`

Look Right: `car.lookRight()`

Center Servo: `car.centerServo()`

Basic Arduino C++ Commands

Delay: `delay(milliseconds)`

Serial Print: `Serial.print(value)` **`Serial.println(value);`**

If Statement: `if (condition) { /* statements */ }`

If-Else Statement: `if (condition) { /* statements */ } else { /* alternative statements */ }`

For Loop: `for (initialization condition; increment) { /* statements */ }`

While Loop: `while (condition) { /* statements */ }`

Void Setup: `void setup() { /* initialization code here */ }` - Runs once at the start of the program.

Void Loop: `void loop() { /* code here */ }` - Runs repeatedly after `setup()` is complete.

Notes