Starting of Program

- int m1a = 9;
- int m1b = 10;
- int m2a = 11;
- int m2b = 12;
- char val;

Bluetooth Communication

- while (Serial.available() > 0)
- {
- val = Serial.read();
- Serial.println(val);
- }

Forward Function

- if(val == 'F')
- {
- digitalWrite(m1a, HIGH);
- digitalWrite(m1b, LOW);
- digitalWrite(m2a, HIGH);
- digitalWrite(m2b, LOW);
- }

Backward Function

- else if(val == 'B')
- {
- digitalWrite(m1a, LOW);
- digitalWrite(m1b, HIGH);
- digitalWrite(m2a, LOW);
- digitalWrite(m2b, HIGH);
- }

Left Function

- else if(val == 'L')
- {
- digitalWrite(m1a, LOW);
- digitalWrite(m1b, LOW);
- digitalWrite(m2a, HIGH);
- digitalWrite(m2b, LOW);
- }

Right Function

- else if(val == 'R')
- {
- digitalWrite(m1a, HIGH);
- digitalWrite(m1b, LOW);
- digitalWrite(m2a, LOW);
- digitalWrite(m2b, LOW);
- }

Stop Function

- else if(val == 'S')
- {
- digitalWrite(m1a, LOW);
- digitalWrite(m1b, LOW);
- digitalWrite(m2a, LOW);
- digitalWrite(m2b, LOW);
- }

Forward Right Function

- else if(val == 'I')
- {
- digitalWrite(m1a, HIGH);
- digitalWrite(m1b, LOW);
- digitalWrite(m2a, LOW);
- digitalWrite(m2b, LOW);
- }

Backward Right Function

- else if(val == 'J')
- {
- digitalWrite(m1a, LOW);
- digitalWrite(m1b, HIGH);
- digitalWrite(m2a, LOW);
- digitalWrite(m2b, LOW);
- }

Forward Left Function

- else if(val == 'G')
- {
- digitalWrite(m1a, LOW);
- digitalWrite(m1b, LOW);
- digitalWrite(m2a, HIGH);
- digitalWrite(m2b, LOW);
- }

Backward Left Function

- else if(val == 'H')
- {
- digitalWrite(m1a, LOW);
- digitalWrite(m1b, LOW);
- digitalWrite(m2a, LOW);
- digitalWrite(m2b, HIGH);
- }