



Machine Learning Internship Session 7

Any Time Medicine Dispenser - Coding Sheet

Embedded C Language is a case sensitive Language

```
#define python Serial // Assign python variable as Serial
#define m1 6 // motor pin number
#define m2 7
String IncomingData = ""; // variable for receiving data

void setup() {
    // put your setup code here, to run once:
    python.begin(115200); // serial communication between python and
    microcontroller
    python.println("Ready"); // transmit data to python and check it's
    connected perfectly

    pinMode(m1, OUTPUT); // declare motor pin as output
    pinMode(m2, OUTPUT);
    digitalWrite(m1, LOW);
    digitalWrite(m2, LOW); // initially turn off motor

}
void loop() {
    // put your main code here, to run repeatedly:
    while (python.available()) // check if there is any incoming data is
    available or not if it's available
    {
        IncomingData = python.readString(); // read the incoming data

        delayMicroseconds(5);
    }
    if (IncomingData.length() > 0) { // if incoming data byte is greater than
    zero

        if (IncomingData == "1") { // if received is equal to one show the
        display and alert via buzzer

            digitalWrite(m1, HIGH);
            digitalWrite(m2, LOW);
            delay(3000);
            digitalWrite(m1, LOW);
            digitalWrite(m2, LOW);
        }

        IncomingData = "";
    }
}
```

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