Bluetooth Home Automation

Control appliances via smartphone using Bluetooth.

Components:

- Arduino UNO

- HC-05 Bluetooth module

- Relay module

Code will be uploaded using Arduino IDE.

Connections:

- HC-05 to TX/RX

- Relays to D7-D9

Thank you!

Arduino Code:

```
int relay1 = 7;
int relay2 = 8;

void setup() {
  pinMode(relay1, OUTPUT);
  pinMode(relay2, OUTPUT);
  Serial.begin(9600);
}

void loop() {
  if (Serial.available()) {
    char ch = Serial.read();
    if (ch == 'A') digitalWrite(relay1, HIGH);
    if (ch == 'a') digitalWrite(relay1, LOW);
    if (ch == 'B') digitalWrite(relay2, HIGH);
    if (ch == 'b') digitalWrite(relay2, LOW);
  }
}
```