

SMART HOME (AUTOMATION)

SOURCE CODE:

```
char data = 0;
void setup()
{
  pinMode(RELAY_1, OUTPUT);
  digitalWrite(RELAY_1, RELAY_OFF);
  Serial.begin(9600);
  Serial.print("Type: 1 to turn on bulb. 0 to turn it off!");
}
void loop()
{
  if (Serial.available() > 0)
  {
    data = Serial.read();
    Serial.print(data);
    Serial.print("\n");
    if(data == '1')
    {
      digitalWrite(RELAY_1, RELAY_ON);
      Serial.println("Bulb is now turned ON.");
    }
    else if(data == '0')
    {
      digitalWrite(RELAY_1, RELAY_OFF);
      Serial.println("Bulb is now turned OFF.");
    }
  }
}
```

OUTPUT:

