->AULA LPHS 16/04- MÁQUINA DE LAVAR

```cpp
#include <Stepper.h>

int LED2 = 4;
int LED1 = 5;
int LED0 = 6;
int Button0 = 7;
int Button1 = 8;
int Button2 = 9;
int Value0;
int Value1;
int Value2;

int passosporgiro = 64;

// Inicializa a biblioteca utilizando ligação ao motor
Stepper mp(passosporgiro, 10, 12, 11, 13);

void setup() {
  // Determina a velocidade inicial do motor
  mp.setSpeed(200);
  pinMode(LED0, OUTPUT);
  pinMode(LED1, OUTPUT);
  pinMode(LED2, OUTPUT);
  pinMode(Button0, INPUT);
  pinMode(Button1, INPUT);
  pinMode(Button2, INPUT);
  Serial.begin(9600);
}

void loop() {
  //mp.step(-2048);
  //delay(1000);
  //mp.step(2048);
  //delay(1000);

  Value0 = digitalRead(Button0);
  Serial.println(Value0);
  Value1 = digitalRead(Button1);
  Serial.println(Value1);
  Value2 = digitalRead(Button2);
  Serial.println(Value2);

  if (Value0 == HIGH) {
    digitalWrite(LED0, HIGH);
      digitalWrite(LED1, LOW);
      digitalWrite(LED2, LOW);
  }
```

```
if (Value1 == HIGH) {
  digitalWrite(LED1, HIGH);
  digitalWrite(LED0, LOW);
  digitalWrite(LED2, LOW);
  mp.step(-1024);
  delay(1000);
  mp.step(1024);
  delay(1000);

  }


if (Value2 == HIGH) {
  digitalWrite(LED2, HIGH);
  digitalWrite(LED1, LOW);
  digitalWrite(LED0, LOW);
  mp.step(2048);
  }
}
```