```
//06_02_2023
#include "esp_camera.h"
#include <WiFi.h>
#include "soc/soc.h"
#include "soc/rtc_cntl_reg.h"
#if defined(ESP8266)|| defined(ESP32) || defined(AVR)
#endif
#include <stdlib.h>
#include "weight_sensor.h"

#define ACCESS_POINT

#ifdef REVONEER_BUILD
const int HX711_dout1 = 16; //mcu > HX711 dout pin
const int HX711_sck1 = 4; //mcu > HX711 sck pin
const int HX711_dout2 = 16; //mcu > HX711 dout pin
const int HX711_sck2 = 4; //mcu > HX711 sck pin
const int HX711_dout3 = 16; //mcu > HX711 dout pin
const int HX711_sck3 = 4; //mcu > HX711 sck pin
const int HX711_dout4 = 16; //mcu > HX711 dout pin
const int HX711_sck4 = 4; //mcu > HX711 sck pin
#else
const int HX711_dout1 = 4; //mcu > HX711 dout pin
const int HX711_sck1 = 5; //mcu > HX711 sck pin
const int HX711_dout2 = 4; //mcu > HX711 dout pin
const int HX711_sck2 = 5; //mcu > HX711 sck pin
const int HX711_dout3 = 4; //mcu > HX711 dout pin
const int HX711_sck3 = 5; //mcu > HX711 sck pin
const int HX711_dout4 = 4; //mcu > HX711 dout pin
const int HX711_sck4 = 5; //mcu > HX711 sck pin
#endif

#ifdef ACCESS_POINT
// Replace with your network credentials
const char* ssid = "esp32cam";
const char* password = "esp32cam";
#else
const char* ssid = "Subramanyam 2.4G";
const char* password = "9494522248";
#endif

//HX711 constructor:
```

```
WeightSensor LoadCell1(HX711_dout1, HX711_sck1);
WeightSensor LoadCell2(HX711_dout2, HX711_sck2);
WeightSensor LoadCell3(HX711_dout3, HX711_sck3);
WeightSensor LoadCell4(HX711_dout4, HX711_sck4);
void startCameraServer();

size_t getArduinoLoopTaskStackSize() {
 return 16 * 1024;
}

void setup() {
 WRITE_PERI_REG(RTC_CNTL_BROWN_OUT_REG, 0);
 Serial.begin(115200);
 Serial.setDebugOutput(true);
 Serial.println();

#ifndef ACCESS_POINT
 WiFi.begin(ssid, password);
 WiFi.setSleep(false);
#else
Serial.println("Configuring access point...");
 // You can remove the password parameter if you want the AP to be open.
 // a valid password must have more than 7 characters
 if (!WiFi.softAP(ssid, password)) {
   log_e("Soft AP creation failed.");
   while(1);
 }
#endif

#ifndef ACCESS_POINT
 while (WiFi.status() != WL_CONNECTED) {
   delay(500);
   Serial.print(".");
 }
 Serial.println("");
 Serial.println("WiFi connected");
#endif

 startCameraServer();

#ifndef ACCESS_POINT
 Serial.print("Ready! Use 'http://");
```

```
 Serial.print(WiFi.localIP());
 Serial.println("' to connect");
#else
 IPAddress myIP = WiFi.softAPIP();
 Serial.print("AP IP address: ");
 Serial.println(myIP);
#endif

 LoadCell1.initialize();
 LoadCell2.initialize();
 LoadCell3.initialize();
 LoadCell4.initialize();
}

void loop() {
 LoadCell1.refresh();
 delay(100);
 LoadCell2.refresh();
 delay(100);
 LoadCell3.refresh();
 delay(100);
 LoadCell4.refresh();
 delay(100);
}
```