

HELLO WORLD

```
#include <stdio.h>
#include "freertos/FreeRTOS.h"
#include "freertos/task.h"
#include "esp_system.h"
#include "esp_spi_flash.h"

void app_main() {
    printf("Hello World!\n");
    esp_chip_info_t chip_info;
    esp_chip_info(&chip_info);
    printf("Has %d CPU cores, WiFi %s %s, ",
        chip_info.cores,
        (chip_info.features & CHIP_FEATURE_BT)? "/BT": "",
        (chip_info.features & CHIP_FEATURE_BLE)? "/BLE": "");
    printf("silicon revision %d", chip_info.revision);
    printf("%d MB %s flash",
        spi_flash_get_chip_size() / (1024 * 1024),
        (chip_info.features & CHIP_FEATURE_EMB_FLASH)?
            "embedded": "external");

    for(int i=10; i>=0; i--) {
        printf("Restarting in %d seconds...\n", i);
        vTaskDelay(1000 / portTICK_PERIOD_MS);
    }
    printf("Restarting now.\n");
    fflush(stdout);
    esp_restart();
}
```