Live Programming IoT devices with PharoThings

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Section 1

Introduction

Introduction

- Live programming platform for IoT projects based on Pharo. It includes:
  - development tools to lively program, explore and debug remote boards (based on TelePharo).
  - board modeling library which simplifies board configuration.
    - Raspberry driven by WiringPi library.
    - Arduino driven by Firmata, soon.
    - Beaglebone, soon.

Section 2

Arduino

Arduino

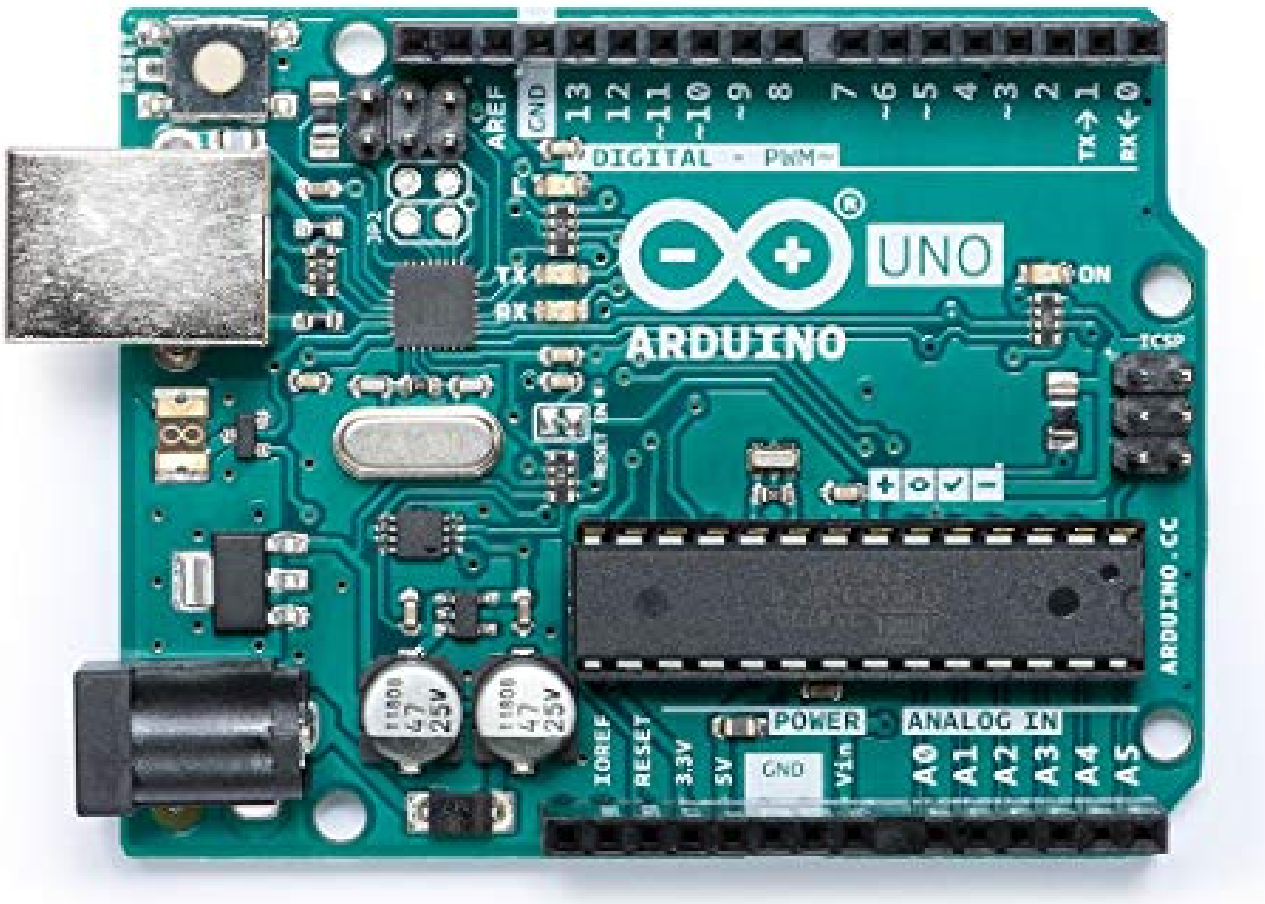

Figure 1: Arduino Uno

Section 3

Raspberry pi

Raspberry Pi

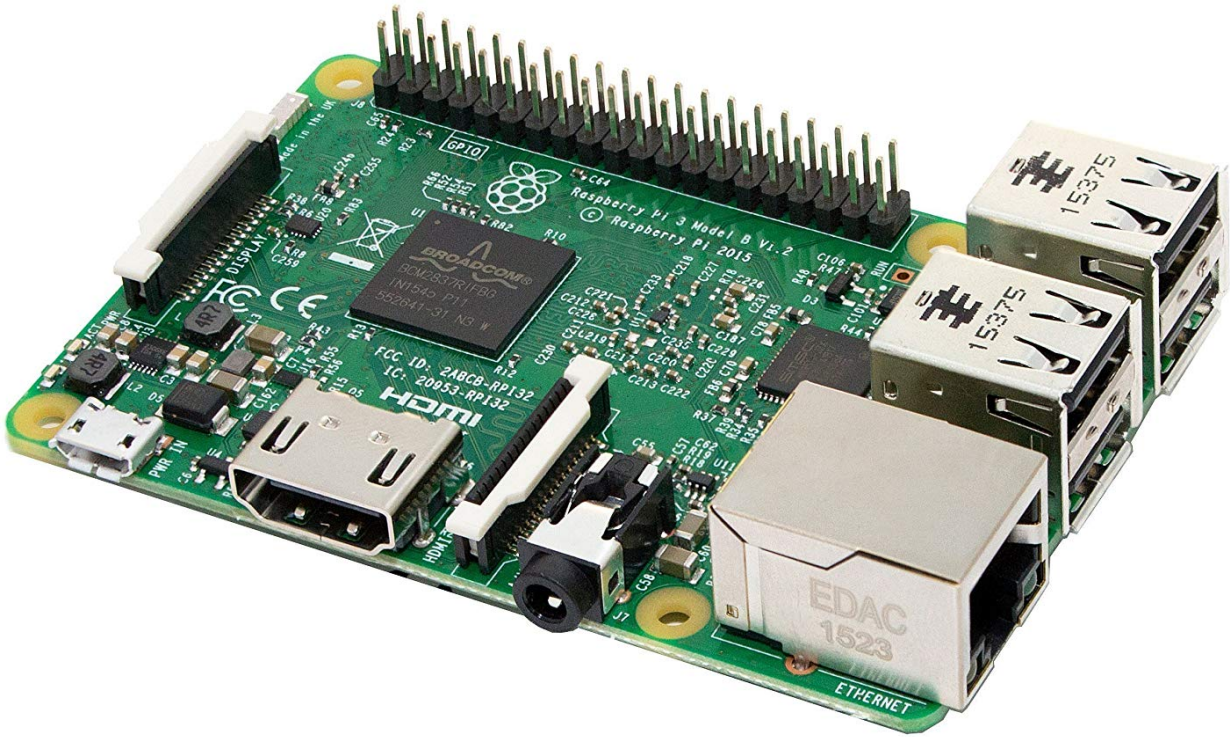

Figure 2: Raspberry Pi 3B

Section 4

Workshop Objectives

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- In this workshop we will show you how to develop a **little application** that **collect weather information**.
- We will start to show how we can play with leds and others.