Lab 5: Arduino IDE and Introduction to Teensy
CSE 2100-001

Ellen Ripley

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Partners: Ellen Ripley
John Connor

1 Objective

Install the Arduino IDE and add Teensy support as described in the lab video. Modify the provided Teensy LED blink example to flash the famous distress signal SOS in Morse code repeatedly (3 short flashes, 3 long flashes, 3 short flashes), with a 2 second delay between messages. The LED should be on for 250 milliseconds for short flashes, and 500 milliseconds for long flashes. Use a delay of 250 milliseconds between all flashes. Demo your SOS generator on the Teensy microcontroller when it is functioning properly.

1.1 Definitions

microcontroller Replace this text with a brief description of the term (1-2 sentences).

Arduino IDE Replace this text with a brief description of the term (1-2 sentences).

Teensy Replace this text with a brief description of the term (1-2 sentences).

udev rules Replace this text with a brief description of the term (1-2 sentences).

tar Replace this text with a brief description of the term (1-2 sentences).

2 Question 1

What flags must be provided with the tar command to extract a tar.xz file?

Replace this text with your response.

3 Question 2

List 3 advantages of using the Arduino platform when programming microcontrollers

Replace this text with your response.