<h3>Practice</h3>

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Practice psets infuse cs50 lectures with short Arduino hands-on exercises that can be finished fairly quickly. Practice psets provide students who prefer a more “hands-on” approach, while practicing the syntactical beauty that of C.

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All practice sets must be completed within the Arduino IDE, and there are student <a href=”#”>sketchs</a> that will be provided for each pset as an outline.

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In order to install the Arduino IDE on appliance, one should follow the instructions <a href=”#”>here</a>.

<h3>Missions</h3>

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Unlike Practice psets, whereby you interact with simple circuits and problems, Missions provide a story line that the student can progress through by completing each successive mission. Each mission will correlate to the Practice pset, slightly. Missions add a little more imagination and fun.

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At the end of every Mission set, an output of numbers will be presented where the player can enter them in the website to complete a mission; thus, moving on to the next available mission, while progressing through the story line. Click <a href=”#”>here</a> for the story’s premise.

<h3>Storyline</h3>

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The premise of the story is that some US government agency doesn’t have the funding or resources (what’s new?) to place a <i>real spy</i> full time on campus to <i>investigate some suspicious events</i> that involve potential corruption, unwanted propaganda, and events that could lead to the end of the world (pretty scary stuff).

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You’re approached by your purposed <a href=” http://en.wikipedia.org/wiki/Agent\_handling”>agent handler</a>, Clark Johnson, who wishes recruit you, since you are familiar with both hardware and software fundamentals (Always remember that a computer enthusiast, such as yourself, is a great asset to this world).

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Will you help Clark Johnson stop the chaos that could potentially lead to the end of the world?

<h3>Important Note</h3>

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Although these Arduino practice sets require <i>a small amount</i> of additional knowledge to complete, it is important to know that the Arduino exercises are not always directly related to the actual course’s psets, quizzes, and lectures (though, I do correlate the scope).

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One should always ensure that one has comprehended enough of the current week’s materials to complete the course’s problem set.

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Though, if one is not sure or would like a more lecture-focused practice set during section – please contact me at [cbartholomew @ fas . harvard . edu](mailto:cbartholomew@fas.harvard.edu). I can arrange other practice sets during section instead of working with the Arduino =).