Lab 1 Debrief

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Outline

- 1 General Feedback
 - Source Control
 - C Programming
- 2 Lab Specifics
 - Lab Solution
 - Advice for the Future

Setup your SVN before creating a project!

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- Please, only one copy of your assignment.

Why only one copy

Example

```
svn log . -v

r1138 | | 2016-09-29 11:29:26 -0400

r1137 | | 2016-09-29 11:28:58 -0400

r1136 | | 2016-09-29 11:28:33 -0400
```

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r1137 | | 2016-09-29 11:28:58 -0400
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```

Example

```
svn update -r 1136
svn update -r {2016-10-06T11:30}
```

C Arrays and Strings

What is wrong with the following piece of code?

```
Example
```

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char buffer[500];
readIntoBuffer(buffer);
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What if readIntoBuffer didn't write to buffer?

C Arrays and Strings

Always initialize your arrays!

```
Example
```

```
char buffer[500] = { 0 };
readIntoBuffer(buffer);
printf(buffer);
```

Switches

Example

```
switch(character)
   case 'A':
   case 'a':
  // code here.
   break;
   case 'B':
   case 'b':
   // more code here.
10
   break;
11
   }
12
```

Lab Solution

See Code in Repository.



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- Functions are for reusable code.
- Use the C Standard Library See http://en.cppreference.com/w/c

Advice

■ Be Careful and Methodical.

Advice

- Be Careful and Methodical.
- Ask for help early!
 - Piazza
 - Email
 - Your Peers

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- Be Careful and Methodical.
- Ask for help early!
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- If you are unsure how to make your code better, talk it out!