

C1: The program simply takes a password as an argument and compares it to the string “hackadayu”.

```
[austinsbrown@inspiron5567 lab5]$ ./c1 hackadayu  
Correct! The password was hackadayu this whole time!  
[austinsbrown@inspiron5567 lab5]$
```

C2: The program takes a password as an input. If the password is less than 5 characters long then the program exits. Otherwise, it makes sure that the first character is h, and that the last character is u.

```
[austinsbrown@inspiron5567 lab5]$ ./c2 hooou  
Correct -- maybe we should pay attention to more characters...  
[austinsbrown@inspiron5567 lab5]$
```

C3: The program takes a password as an input. If the password is less than 5 characters long then the program exits. It then checks to see if the third character is the lower case version of the fourth character. It does this by subtracting the two and seeing if the result is equal to 0x20.

```
[austinsbrown@inspiron5567 lab5]$ ./c3 aaaAa  
Correct! You figured it out ... looks like we have to upgrade our security...  
[austinsbrown@inspiron5567 lab5]$
```

C4: The program takes a password as an input. If the password is less than 10 characters long then the program exits. Otherwise, the program iterates through the string “hackadayu” to see if your input is two characters shifted to the right. For example, a == c, h == j.

```
[austinsbrown@inspiron5567 lab5]$ ./c4 jcemcfc{/w  
Correct! You've entered the right password ... you're getting better at this!  
[austinsbrown@inspiron5567 lab5]$
```