Lab: Implement 3.6 and 3.7 and grok W3X

3.6: In the past, Australia had coins in denominations of 50c, 20c, 10c, 5c, 2c, and 1c. Write a program that reads an integer amount of cents between 0 and 99 (your program might check for valid input) and print out the coins necessary to make up that amount of money.

3.7: Extend your "Fahrenheit to Celsius" program by adding in the reverse transformation. For example:

H:>converter

Enter a temperature: 212C

The temperature 212.0C converts to 413.6F

How about extending further for more units: M (miles), K (kilometers), P (Pound), G (kilogram)?

Finished?

Then do exercises in grok W3X and/or see next page for a funny exercise.

Additional Exercise: Create A Quiz (For those who have finished all W3, W3X grok work)

Write a program to perform your own quiz with around five questions. A question can require a number as an answer (e.g. what is the next number after 1 2 4 8?) or a selection (e.g. which choice (A, B, C, or D). After each question you should let the user know if she/he is correct. And, at the end of the quiz, you should print the percentage of questions the user gets right. See example on the right.

```
Fun time!
What printf("%d\n", 5%2) prints out? 1
Correct!
Who is current Victoria's premier:
A Alistair
           B Dan
                    C Scott
                              D Anh
? A
No
How many seasons in "Game of Thrones":
A 7
         B 4
                   C 8
                           D 6
Correct!
What is the output of:
if (0==1); printf("0=1"); printf("haha\n");
A 0=1 haha B haha C <empty>
? haha
No
Not bad! You got 2 answers right.
Your score is 50%.
```