**Exercise 2**

**Assignment Specification**

**Description**:

This assignment has two parts: a test-driven design exercise and a python program.

**Part 1**. Test-Driven Design:

* + Determine a set of inputs that will adequately test the Python program you are writing.
    - It should be minimal: try not to have duplicate tests
    - Be sure to cover all the cases/alternatives
  + Create a .doc/.pdf document detailing the testing steps from the Test-Driven Design above.

**Part 2**. Python Program

Write the program as a loop to prompt the user for input and print the input, until the user inputs ‘done’ (without quotes).

**Input**: The user should be prompted for a price in cents. They will enter the word ‘done’ (no quotes) to finish.

Enter the price as cents, a multiple of five cents, or ‘done’ (without quotes) if you are finished:

* + [ user input, example *575, 5, done*]

**Output**: Print what the user entered. If the user entered ‘done’, say goodbye.

* + Examples:
    - You entered 575 cents
    - Good-bye!

**Procedure**:

1. Prompt the user for a price in cents, that is a multiple of five cents. That means you have to check if the input is numerical, it is non negative and if it is a multiple of 5. Provide different messages for the different errors
2. If the user enters ‘done’ (without quotes), print goodbye and stop
3. If the user enters a price, print the price and repeat the prompt

Submit your .doc/.pdf document (for the Test-Driven Design part) and your program (.py document) via Canvas