Selftest

The presentation somewhat glances over the need to have a currency class. Create a class that allows you to present and calculate with a currency amount. For example, you should be able to add, subtract, and obtain a multiple or a fraction of the currency. Here is a start.

```
class Currency:
""" allows calculations with a currency where the main unit
    is divided into hundredths. """
symbol = 'US$'
def init (self, dollars, cents):
    if dollars >= 0:
        self.value = dollars*100+cents
    else:
        self.value = dollars*100-cents
     str (self):
def
    \overline{if} self.value > 0:
        return "{:s}{:d}.{:02d}".format(
                  Currency.symbol,self.value//100,
                  self.value%100)
    else:
        val = -self.value
        return "-{:s}{:d}.{:02d}".format(Currency.symbol,val//100,
                                          val%100)
```

Implement dunder methods for equality and for lesser than. Implement a function

```
def rmul (self, factor):
```

that allows us to multiply a floating point number with a currency. The result is rounded to the nearest cent.

Also, implement a class method "change_symbol" that changes the symbol in Currency. As you can see, by default, the symbol is 'US\$'.