**Unit 13**

13-2.

函数在脚本中直接定义，直接可以调用

方法在类中定义，依附实例进行调用

13-3.

**def dollarize**(val):  
 **try**:  
 val = float(val)  
 **except** ValueError,e:  
 **raise** TypeError,'val must be a float'  
 **else**:  
 s = '$' **if** val>0 **else** '-$'  
 val = abs(val)  
 l = []  
 **while** val:  
 l.append(str(val%1000))  
 val = int(val/1000)  
 l.reverse()  
 **return** s+','.join(l)  
  
**class MoneyFmt**(object):  
  
 **def** \_\_init\_\_(self,val,opt=True):  
 **try**:  
 self.\_\_money = float(val)  
 **except** ValueError,e:  
 **raise** TypeError,'val must be a float'  
 self.\_\_opt = opt  
  
 **def update**(self,val):  
 **try**:  
 self.\_\_money = float(val)  
 **except** ValueError,e:  
 **raise** TypeError,'val must be a float'  
  
 **def** \_\_nonzero\_\_(self):  
 **return** bool(self.\_\_money)  
  
 **def** \_\_repr\_\_(self):  
 **return** "%.2f"%self.\_\_money  
  
 **def** \_\_str\_\_(self):  
 **if** self.\_\_money>=0:  
 s = '$'  
 **elif** self.\_\_opt:  
 s = '-$'  
 **else**:  
 s = '<->$'  
 val = abs(self.\_\_money)  
 l = []  
 **while** val:  
 l.append(str(val%1000))  
 val = int(val/1000)  
 **if** l:  
 l[0] = "%.2f" % float(l[0])  
 l.reverse()  
 **return** s+','.join(l)  
 **else**:  
 **return** s+"%.2f" % val  
  
a = MoneyFmt('12345565765.8901',False)  
**print** a  
a.update('-2314343')  
**print** a  
a.update(0)  
**print** a  
**print** bool(a)

13-4.