## 分析一个水杯的属性和功能，使用类描述并创建对象

高度，容积，颜色，材质

能存放液体

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| class Bottle:  \_\_height = **""** \_\_volume = **""** \_\_color = **""** \_\_material = **""** def setheight(self,height):  if height < 0:  print(**"高度非法，别瞎弄！"**)  else:  self.\_\_height = height  def getheight(self):  return self.\_\_height  def setvolume(self,volume):  if volume < 0:  print(**"容积非法，别瞎弄！"**)  else:  self.\_\_volume = volume  def getvolume(self):  return self.\_\_volume  def setcolor(self,color):  self.\_\_color = color  def getcolor(self):  return self.\_\_color  def setmaterial(self,material):  self.\_\_material = material  def getmaterial(self):  return self.\_\_material   def store(self,liquids):  print(self.\_\_material,**"的水杯能存放"**,liquids)  b = Bottle() b.setheight(15) b.setvolume(600) b.setcolor(**"蓝色"**) b.setmaterial(**"塑料"**) b.store(**"肥宅快乐水"**) |

## 有笔记本电脑（屏幕大小，价格，cpu型号，内存大小，待机时长），行为（打字，打游戏，看视频）

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| class Computer:  \_\_brand = **""** \_\_size = **""** \_\_price = **""** \_\_cpu = **""** \_\_memory = **""** \_\_standbytime =**""** def setbrand(self, brand):  self.\_\_brand = brand  def getbrand(self):  return self.\_\_brand  def setsize(self,size):  if size < 0:  print(**"屏幕尺寸非法，别瞎弄！"**)  else:  self.\_\_size = size  def getsize(self):  return self.\_\_size  def setprice(self, price):  if price < 0:  print(**"价格非法，别瞎弄！"**)  else:  self.\_\_price = price  def getprice(self):  return self.\_\_price  def setcpu(self, cpu):  self.\_\_cpu = cpu  def getcpu(self):  return self.\_\_cpu  def setmemory(self,memory):  if memory < 0:  print(**"内存非法，别瞎弄！"**)  else:  self.\_\_memory = memory  def getmemory(self):  return self.\_\_memory  def setstandbytime(self,standbytime):  if standbytime < 0:  print(**"内存非法，别瞎弄！"**)  else:  self.\_\_standbytime = standbytime  def getstandbytime(self):  return self.\_\_standbytime    def typing(self,num):  print(self.\_\_brand,**"正在打字，打了"**,num,**"个字！"**)  def playGame(self,game):  print(self.\_\_brand,**"正在玩游戏，正在进行"**,game)  def video(self,video):  print(self.\_\_brand,**"正在看视频，正在观看"**,video)   c = Computer()  c.setsize(15) c.setprice(6000) c.setcpu(**"Intel酷睿i7"**) c.setmemory(512) c.setstandbytime(12)  c.typing(1000) c.playGame(**"常回家看看"**) c.video(**"陈情令"**) |

### 先构思面向对象版的中国工商银行系统