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| *school-learn-study-hat-graduate-512.png* | ***Study*** |

Read session 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.8, 11.9, 11.12 of the following book:

<http://www.ict.ru.ac.za/Resources/cspw/thinkcspy3/thinkcspy3.pdf>

And then answer the following questions:

* What is nested list?

Ans: A nested list is a list that appears as an element in another list.

* Can a list store both integers and strings in it?

Ans: Yes

* Do exercise 1, 2 in this chapter (note: these include sub-exercises, so you better start early)
  + Exercise 1:

+ The Python interpreter’s response to the following is:

>>> list(range(10, 0, -2))

[10, 8, 6, 4, 2]

+ If start < stop and step < 0, Pyhon will consider the list as an empty list

+ The rule for the relationship among start, end, and step is:

If (stop – start)/step >0:

The list contains elements

Else:

The list is empty

* + Exercise 2:

The fragment creates one turtle instance. The setting of the color of alex also changes the color of test. It is because alex is tess’s variable, not another turtle and when we change the color of the variable, we will also change color of the turtle.