

Guide for Quiz2

Topics: Lists, Dictionaries, IF statement and Loops, Chapter 6,9 and Chapter 10 from text book.

This quiz will cover the topics we discussed in slides Lists.ppt, IF.ppt and WhileFor.ppt, i.e. Lecture notes 4, 5 and 6. Reference to earlier material such as strings or numbers might be needed but you need not memorize all methods for them for this quiz. You should be comfortable with various operators, methods and functions available in Python.

- 1) Make sure you know various methods that were discussed in class.
- 2) Be comfortable with the way elements of a List or dictionary are accessed, added, deleted and changed.
- 3) See what kind of operations are supported by lists and dictionaries.
- 4) Practice If statement thoroughly with nested if-elif-else statements.
 - a. When does if goes and executes the block
 - b. How to use multiple conditions
 - c. If there are nested structure which conditions get tested first
 - d. Make sure you can write code that includes loops and if statements
- 5) Loops
 - a. Difference between While and For Loop
 - b. Difference between break and continue
 - c. Why don't we need a counter ($I = I + 1$) in For loop?
 - d. How to iterate through a list and a dictionary
 - e. How to print a structure (see tree.py on our website) using While loop?
 - f. Try nested loops (While or for loop inside another while or for loop)

Questions in quiz might include:

- Questions where a code snippet is given and you are asked to predict the output.
- Questions to test your knowledge of types (Lists and Strings)
- Given a scenario write a proper code snippet