Python advance assignment 13:

Q1) employing both indices would be confusing, complex, difficult to debug and maintain and may give wrong results.

Q2) slice the list from start to 1000 indices.

Q3) start with first index, take step as 2.

Q4) indexing means referring to an element while slicing means obtaining certain part of list.

Q5) list still gets sliced till range.

Q6) I should avoid working on sliced list and work directly on list.

Q7) a matrix is unbalanced if it is not balanced. Balanced matrix means all its cells are balanced. Balanced cell means number of adjacent cells is greater than value of cell. Adjacent cells means only top, bottom, left and right, if they exist.

Q8) list comprehensions are very fast since they apply arbitrary expressions rather than functions to items in an iterable.