Quiz questions for Blockchain and Digital Currencies 2019.M1:

Your name: _____   Student ID: _____

Data structures:

1. _____ is a pile where items are added at one end and removed from the other. (3 pts)
   a) Stack
   b) Queue
   c) List
   d) None of the above

2. _____ is a pile where items have to be stored and then retrieved in a reverse order. (3 pts)
   a) Hash table
   b) Queue
   c) Linked List
   d) Stack

3. List 3 key differences between graph and tree. (5 pts)

Programming:

4. Write a recursive function to calculate the factorial of an integer (e.g. 5! = 1*2*3*4*5 = 120) (6 pts)

Answers:

1. b
2. d
3. https://techdifferences.com/difference-between-tree-and-graph.html
4. https://www.techiedelight.com/recursive-program-calculate-factorial-number/