

6. To say that a list is an object infers what about this data structure?	1/1 point
That in addition to storing items it has its own in-built functions.	
That it can be defined by the attributes it contains.	
O That it will need to have parameters configured before use.	
 Correct That's correct! This is particularly useful for object orientated programming. 	
7. What is in-place swapping?	1/1 point
O Using different types of data structures as a container to emulate certain characteristics.	
Moving values in an array if the element being added is smaller.	
 Swapping items in an array in place of creating a new structure. 	
○ Correct That's correct! This saves space by not having to create new variables.	
8. In relation to trees, what is the difference between a depth first and breadth first search?	1/1 point
O A depth first will investigate nodes with greater detail, while a breadth first is more super	ficial in approach.
A breadth first is more thorough so will return the result faster.	
 A depth first approach will travel from top to bottom through sibling nodes, while a bread through each level. 	dth first will travel
Correct That's correct. Both approaches take a different way of searching the tree, which is faste where the data is stored.	er is dependent on
9. What are collection classes?	1/1 point
Specialized classes for data storage and retrieval.	
Collections that take a specific type of class.	
Classes that are used by data structures to give them extra functionality like sorting.	
Correct That's correct! They reflect a suite of data structures that act in unique ways and as suc suited to a given problem.	h can be more
10. The knapsack problem is an analogy to demonstrate which task in programming?	
	0 / 1 point
Dynamic programming	0/1 point
Dynamic programming Creating dictionaries that use key value pairs when making lookups.	0/1 point
 Dynamic programming Creating dictionaries that use key value pairs when making lookups. Handling CPU loads. 	0/1 point
Creating dictionaries that use key value pairs when making lookups.	0/1 point