

Questi Ticket N		SCORE: 0 points
Please er	nter your ticket number below:	
Questi Partial S	on - 2 orted Array	SCORE: 5 points
method f If the inp	eloper of your company, you are asked to implement a sorting for processing business data. ut data are already sorted in ***most cases***, which one u choose? Insertion Sort	
	Selection Sort	
	Both have the same performance	
Questi Shell sor		SCORE: 5 points
3, 8, 9, 17	g Shell sort: given the following list of numbers: [5, 16, 20, 12, 7, 19, 7], which answer illustrates the contents of the list after ing is complete for a gap size of 3?	
	[3, 7, 5, 8, 9, 12, 19, 16, 20, 17]	
•	[5, 3, 8, 7, 16, 19, 9, 17, 20, 12]	
	[5, 16, 20, 3, 8, 12, 9, 17, 20, 7]	
	[3, 5, 7, 8, 9, 12, 16, 17, 19, 20]	
Question - 4 SCORE: 5 points Merge Sort		SCORE: 5 points
What is the of Merge	he worst-case time complexity and auxiliary space complexity Sort?	
	Time: 0(n logn) Space: 0(log n)	
•	Time: 0(n logn) Space: 0(n)	
	Time: 0(n^2) Space: 0(n)	



Time: 0(n) Space: 0(n log n)

Question - 5 Implement Insertion Sort

SCORE: 25 points

Implement the *sort* and *swap* methods for Insertion Sort. Get all unit tests to pass.