Fall 2022

CSE220 Quiz 1 Set B

Marks: 10

Name: Section:

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|  | Given a **singly circular** list. Write the push method. “head” is the head of the list (which can be empty). “item” is the element to push.  def push (head, item):  return head *# return head at the end* | 4 |
|  | 1. Why is a circular array used in a queue? 2. Given a set of elements, draw a circular array of length 5. Enque an element if it is any alphabet or number and dequeue otherwise. Write the dequeued elements in order. Show your enqueue clearly and point the start of the array with an arrow.   Elements: A, B, %, C, D, @, E, 1, \*, 2, ^, $, 3, 4, 5 | 2 + 4 |