

# Quiz 1 - Sept 1, 2017

Q1. What is the memory footprint (size) of a Java list node (as seen in class)?

```
private class Node
{
    String item;
    Node next;
}
```

- A. 4 bytes
- B. 8 bytes
- C. 12 bytes
- D. 16 bytes
- E. 32 bytes

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Q2. Which of the following list operations can only be performed in **constant time** with a doubly-linked list?

- A. Add element at beginning
- B. Remove element at beginning
- C. Add element at the end
- D. Remove element at the end
- E. C & D

Q3. Which of the following container types support(s) a **FIFO** insertion / removal policy?

- A. Stack
- B. Queue
- C. Bag
- D. B & C
- E. A & B