

Q1 Instructions

1 Point

To receive full credit on this quiz, you must score at least 50%.

The Github repo for Lecture 5 is at <https://github.com/ucsd-cse12-sp21/ucsd-cse12-sp21.github.io/tree/master/lectures/lecture-05>

Q2 LinkedList

1 Point

Refer to the implementation of LinkedList used in class (<https://github.com/ucsd-cse12-sp21/ucsd-cse12-sp21.github.io/tree/master/lectures/lecture-05>) and the following code:

```
LinkedList groceryList = new LinkedList();  
groceryList.add("Bananas");  
groceryList.add("Milk");  
groceryList.add("Eggs");  
groceryList.add("Cheetos");
```

2. How many Node objects are created?

- ☐ 1
- ☐ 4
- ☒ 5
- ☐ 6
- ☐ 8

Q3 LinkedList

1 Point

Refer to the implementation of LinkedList used in class (<https://github.com/ucsd-cse12-sp21/ucsd-cse12-sp21.github.io/tree/master/lectures/lecture-05>) and the following code:

```
LinkedList l = new LinkedList();  
l.add("A");
```

```
i.add("B");  
i.add("C");
```

```
LinkedList j = new LinkedList();  
j.add("X");  
j.add("Y");  
j.add("Z");
```

```
// DISCLAIMER: setting the next field or front field from outside the class is not  
// at all good practice. It does make for a good quiz question, though!  
j.front.next = i.front.next;
```

```
System.out.println(j.get(0) + ", " + i.get(0) + ", " + i.get(2));
```

3. What will the above code print out?

- ☒ A, A, C
- ☐ A, X, C
- ☐ X, A, Z
- ☐ X, X, Z
- ☐ Y, A, C