Section 9 - Lambda Expressions Continued
Quiz Answers

1.

Lazy processing is, as its name applies, a lazy approach to handling data. Rather than process every data element, we process it only when we need to. In the Stream API, for example, if we open up a stream, then call filter, and then forEach, we only process items in forEach that pass the filter condition.

2.

```java
ArrayList<Integer> items = new ArrayList<Integer>();
    for (int i = 0; i < 100; i++)
    {
        items.add((int) (Math.random() * 100));
    }

    List<Integer> filteredItems = items.stream().filter((p) ->
p < 50).collect(Collectors.toList());
```

3.

```java
ArrayList<GovernmentBuilding> buildings = new
ArrayList<GovernmentBuilding>(Arrays.asList(
                new GovernmentBuilding("NASA", 10, 2000),
                new GovernmentBuilding("DARPA", 20, 100),
```

```java
                    new GovernmentBuilding("DOD", 5, 1000),
                    new GovernmentBuilding("NASA", 1, 10),
                    new GovernmentBuilding("DOD", 20, 100),
                    new GovernmentBuilding("DOD", 10, 50)));

        Map<String, List<GovernmentBuilding>> groupedGovBuildings =

buildings.stream().collect(Collectors.groupingBy((building) ->
building.getAgencyName()));
```