Part 2:

## Guitar

serialNumber: String

-price : double -builder: String -model: String -backWood: String -topWood: String

- createSound(): void

## Inventory

guitar: Guitar[]

addGuitar:void

-searchGuitarBySerialNumber: String

## Part 4:

## - What is stored in the static heap, stack, dynamic heap?

- Static heap, the class objects and static variables are stored.
- Stack, the method calls, local variables, and object references are stored.
  - Dynamic heap, the objects are stored.
- What are objects in the program?
  - The objects in the program are obj1 and obj2.
  - What is the state of obj1, obj2?
  - The state of obj1 is empty values for all fields.
- The state of obj2 is the values assigned during its constructor.
- Do you access all fields of obj1 in the class Tester.java?Why?
  - No.
- Because obj1's fields are private and we can access all fields of obj1 in its class.