PART 2:

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Guitar

- serialNumber: String
- -price : double
- -builder:String
- -model:String
- -backWood:String
- -topWood: String
- createSound():void

Inventory

- guitar:Guitar[]
- addGuitar:void
- -searchGuitarBySerialNumber: String

PART 4:

- 1) 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 project references are stored
 - Dynamic heap, the object are stored
- 2) What are objects in the program?
 - The objects in the program are obj1 and obj2
- 3) 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

- 4) Do you access all fields of obj1 in the class tester.java? why?
 - No
 - Because obj1 is fields are private and we can access all fields of obj1 in its class