

CS20B: HW 4

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1 Questions

1. Assume strings is an Iterable list of String objects. Using a while loop, list and iterator operations, create code with functionality equivalent to

```
for (String hold : strings)
    System.out.println(hold);
}
```

The above code is equivalent to:

```
Iterator<String> iter = strings.iterator();
while (iter.hasNext()) {
    System.out.println(iter.next());
}
```

2. For each of the following lists, describe several useful ways they might be sorted.

(a) Books

- i. Author's last name
- ii. Genre
- iii. Title of book
- iv. Number of pages

(b) University course descriptions

- i. Major
- ii. Course Number
- iii. Instructor
- iv. Course Title

(c) Professional basketball information

- i. Team
- ii. Player

- iii. Year
- (d) Summer camper registration information
 - i. Camper Last Name
 - ii. Camper Age
- (e) Shopping items
 - i. Price
 - ii. Type (i.e. fruit, vegetable, dairy)
 - iii. Store (i.e. where to buy)