

CSE 341 — Java Collection Discussion Questions

1. Suppose you have a set `s` containing some strings. Write a code fragment that uses an iterator to print out each element in `s`.
2. Again suppose you have a set `s` containing some strings. Write a code fragment to compute the result of concatenating all of these strings together. (Recall that `+` is the string concatenation operator.)
3. Write Java code to define yet another Set `s`. Insert 3 floating point numbers in `s`, and using an iterator, find the sum of the numbers in `s`.
4. Consider the `MyArray` example handed out in class. Is the following code legal? If so, what does it print? If not, why isn't it legal?

```
MyArray a = new MyArray(10);
a.set(0, "hi");
a.set(1, "there");
Iterator i = a.iterator();
System.out.println(i.next());
```

5. What about the following rather similar code fragment?

```
MyArray a = new MyArray(10);
a.set(0, "hi");
a.set(1, "there");
MyIterator i = a.iterator();
System.out.println(i.next());
```

6. What about this one?

```
MyArray a = new MyArray(10);
a.set(0, "hi there");
Iterator i = new MyArray.MyIterator();
System.out.println(i.next());
```