CIS 255 - Java Programming
Homework #11 (Notes)
Lists & Maps

Name: _____

Date: _____

1. **Given the declared and initialized LinkedList object below, display all the values in the list after each of the statement(s) is/are executed. If the list is empty, then write "empty". If the statement causes an error, then write "error". (Each statement builds on the one before)**

List<String> list = new LinkedList<String>();

a.)
```
list.add("Java");
```

b.)
```
list.add("C#");
```

c.)
```
list.add("C++");
```

d.)
```
list.remove(2);
```

e.)
```
list.clear();
```

f.)
```
list.set(0, "Java");
```

g.)
```
list.add("Lisp");
```

h.)
```
list.add("Java");
```

i.)
```
list.set(0, "Java");
```

j.)
```
List<String> fix =
    new LinkedList<String>();

fix.add("Java");
list.removeAll(fix);
```

k.)
```
list.remove(0);
```

2. **Given the declared and initialized LinkedHashMap object below, display all the keys and values in the map after each of the statement(s) is/are executed. If the map is empty, then write "empty". If the statement causes an error, then write "error". (Each statement builds on the one before)**

Map<String, String> map= new LinkedHashMap<String, String>();

a.)
```
map.put("J", "Java");
```

b.)
```
map.put("C", "C++");
```

c.)
```
map.put("C", "C#");
```

d.)
```
map.remove("j");
```

e.)
```
map.put("L", "Lisp");
```

f.)
```
map.put("P", "Prolog");
```

g.)
```
map.remove("C");
```

h.)
```
map.clear();
```

i.)
```
map.put("C", "C#");
```

j.)
```
Map<String, String> fix =
  new LinkedHashMap<String, String>();

fix.put("J", "Java");
fix.put("C", "C++");
map.putAll(fix);
```