

The Map Interface

The Map interface in Java is mentioned in Problem 6 of the exam. Since it was mentioned only briefly in class, you are being given some additional information about it here.

Map is an interface that consists of the same operations that are used with HashMap, such as put, get, containsKey, keySet.

Map is used in the same way for HashMaps as List is used with ArrayList: When you create a new ArrayList of Strings, usually you write:

```
List<String> list = new ArrayList<>();
```

Map works in the same way. When you create a new HashMap, say from Strings to Strings, you often will write:

```
Map<String,String> map = new HashMap<>();
```