

Week 04 Research Assignment

Note: All answers are a synthesis of what I've learned from the class materials, unless a source is linked specifically.

Prompt: Write a line of code that shows how you would instantiate a HashMap of String, String.

Response:

```
import java.util.Map;
import java.util.HashMap;

public class HashMapExample {

    public static void Main(String[] args) {

        //simplest declaration:

        Map<String, String> myHashMap = new HashMap<String, String>();

        //or, with double brace syntax...

        Map<String, String> mySecondHashMap = <String, String>() {{
            put("myFirstKey", "myFirstValue");
            put("mySecondKey", "mySecondValue");
        }}
    }
}
```

For the double brace syntax, I used <https://www.baeldung.com/java-initialize-hashmap> as a reference.

Prompt: Write a line of code that shows how you would instantiate a HashSet of StringBuilder.

Response:

```
import java.util.Set;
import java.util.HashSet;

public class HashSetExample {

    public static void Main(String[] args) {
```

```
//simple declaration:

Set<StringBuilder> myHashSet = new HashSet<StringBuilder>();

}

}
```