Maps

http://bit.ly/VTProgTeamMaps

What is a Map

Simply put a map is a way of storing a unique set of Key Value pairs.

Maps in Java

Most commonly used methods:

- put(key, value)
- get(key)
- containsKey(key)
- remove(key)
- keySet()
- values()

java.util.HashMap

- Uses a hash of all keys stored
- Constant time operations
- Random ordering of elements

java.util.TreeMap

- Comparison based storage
- Logarithmic time operations
- Ordered according to compareTo method

When to use?

- Counting elements
- Storing associations
- Every technical interview