

Hands-on Assignments for Map

Complete the below hands-on assignments before proceeding with the next Topic

No.	Hands-on Assignment	Topics Covered	Status
1	<p>1. Develop a java class with a instance variable M1 (HashMap) create a method saveCountryCapital(String CountryName, String capital) , the method should add the passed country and capital as key/value in the map M1 and return the Map (M1).</p> <pre>Key- Country Value - Capital India Delhi Japan Tokyo</pre> <p>2. Develop a method getCapital(String CountryName) which returns the capital for the country passed, from the Map M1 created in step 1.</p> <p>3. Develop a method getCountry(String capitalName) which returns the country for the capital name, passed from the Map M1 created in step 1.</p> <p>4. Develop a method which iterates through the map M1 and creates another map M2 with Capital as the key and value as Country and returns the Map M2.</p> <pre>Key - Capital Value - Country Delhi India Tokyo Japan</pre> <p>5. Develop a method which iterates through the map M1 and creates an ArrayList with all the Country names stored as keys. This method should return the ArrayList. NOTE: You can test the methods using a main method.</p>	Map HashMap	<input type="checkbox"/>
2	<p>Create a Collection called HashMap which is capable of storing String objects. The program should have the following abilities</p> <ol style="list-style-type: none"> Check if a particular key exists or not. Check if a particular value exists or not. Use Iterator to loop through the map. 	Map HashMap	<input type="checkbox"/>
3	<p>Write a program that will have a Properties class object which is capable of storing some States of India and their Capital. Use an Iterator to list all the elements stored in the Properties.</p>	Map HashTable Properties	<input type="checkbox"/>
4	<p>Create a Collection "ContactList" using HashMap to store name and phone number of contacts added. The program should use appropriate generics (String, Integer) and have the following abilities:</p> <ol style="list-style-type: none"> Check if a particular key exists or not. Check if a particular value exists or not. Use Iterator to loop through the map. 	Map HashMap	<input type="checkbox"/>
5	Implement the assignment 1 using TreeMap	Map TreeMap	<input type="checkbox"/>

6

Implement the assignment 1 using HashTable

Map
HashTable