Assignment – 14

1. Explain the hierarchy of map?
2. WAP to add elements to a HashMap without using generics (i.e. do not use <>) and print content of it. Use Integer as Key and String as Value. In second HashMap add elements of String type as Key and Integer as Value.
3. WAP to add elements to a HashMap using generics with Integer as Key and String as value. And 4 key-value entries.
4. WAP to get all the entries from a HashMap. Iterate the entries and print the Key & Value.
5. Different ways to iterate over Map?
6. WAP to get only the Keys from a HashMap.
7. WAP to get only the Values from a HashMap.
8. WAP to copy all of the mappings from the specified HashMap to another map.
9. WAP to test if a HashMap contains a mapping for the specified key.
10. WAP to test if a HashMap contains a mapping for the specified value.
11. WAP to remove an element from HashMap using key.
12. ..Explain how put() method of HashMap works internally.
13. ArrayList Contains

al.add(“pune”);

al.add(“Mumbai”);

al.add(“pune”);

al.add(“Mumbai”);

al.add(“Nasik”);

al.add(“pune”);

create HashMap which contain String as key and Integer as value

key is name of city and value is frequency of that city;

e.g m.put(“pune”,3);

m.put(“Mumbai”,2);

Print Map using For each loop.

16. Write a program to create a hashmap as follows. A hashmap ‘oldMap’ has multiple duplicate values. Write a program to create new hashmap ‘newMap’ which contains keys as unique values of ‘oldMap’ and values as count of number of times value has appeared in ‘map’.

e.g. oldMap = (1, ‘a’) , (2,’b’), (3,’c’), (4,’b’), (5,’a’), (6,’a’)

newMap = {‘a’,3) , (‘b’,2),(‘c’,1)

17. Create a hashmap which contains integer keys and String values. Take a string from user. Delete that entry in map if value matches with the input string.