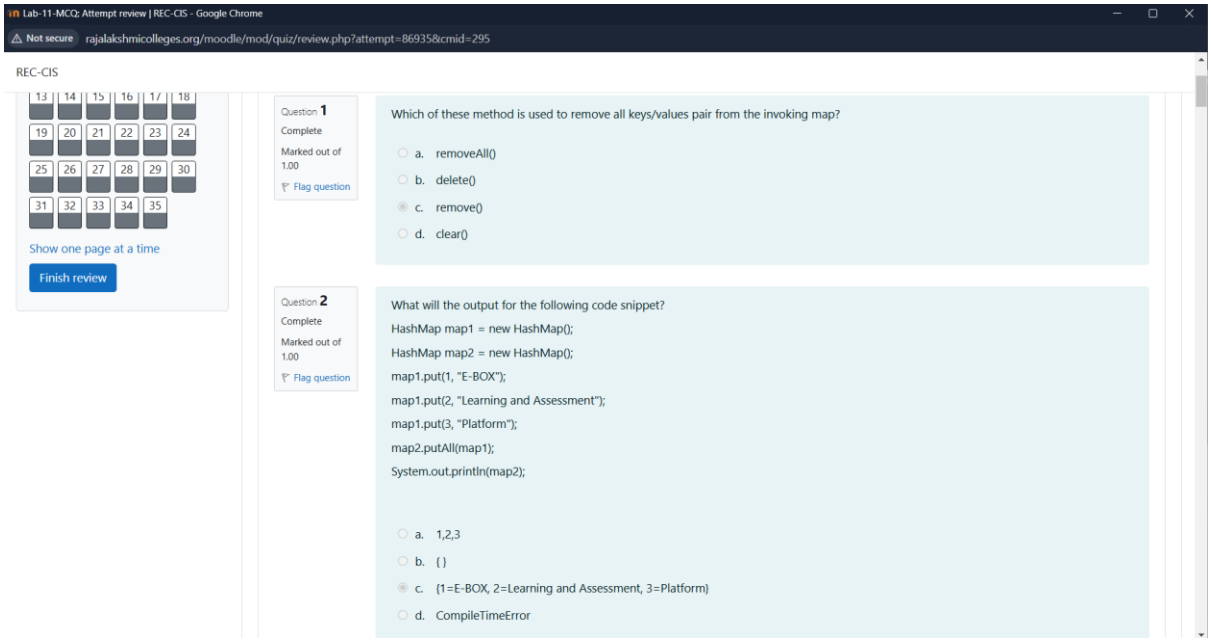
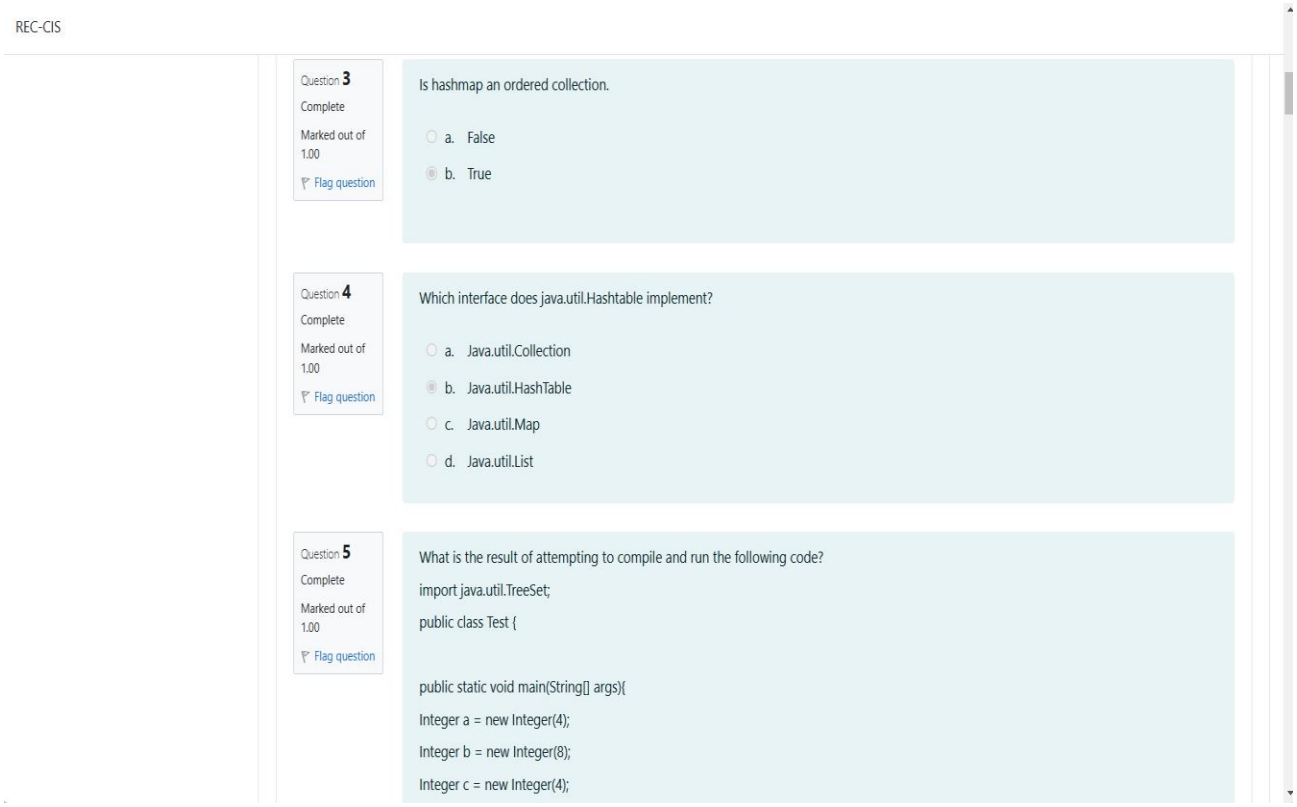
WEEK 11


Lab-11-MCQ: Attempt review | REC-CIS - Google Chrome
Not secure
rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=86935&cmid=295
REC-CIS
13 14 15 16 17 18
19 20 21 22 23 24
25 26 27 28 29 30
31 32 33 34 35
Show one page at a time
Finish review
Question 1
Complete
Marked out of 1.00
Flag question
Which of these method is used to remove all keys/values pair from the invoking map?
a. removeAll()
b. delete()
c. remove()
d. clear()
Question 2
Complete
Marked out of 1.00
Flag question
What will the output for the following code snippet?
HashMap map1 = new HashMap();
HashMap map2 = new HashMap();
map1.put(1, "E-BOX");
map1.put(2, "Learning and Assessment");
map1.put(3, "Platform");
map2.putAll(map1);
System.out.println(map2);
a. 1,2,3
b. { }
c. {1=E-BOX, 2=Learning and Assessment, 3=Platform}
d. CompileTimeError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Question 3
Complete
Marked out of 1.00
Flag question
Is hashmap an ordered collection.
a. False
b. True
Question 4
Complete
Marked out of 1.00
Flag question
Which interface does java.util.Hashtable implement?
a. Java.util.Collection
b. Java.util.HashTable
c. Java.util.Map
d. Java.util.List
Question 5
Complete
Marked out of 1.00
Flag question
What is the result of attempting to compile and run the following code?
import java.util.TreeSet;
public class Test {
public static void main(String[] args){
Integer a = new Integer(4);
Integer b = new Integer(8);
Integer c = new Integer(4);

Question **6**

Complete

Marked out of 1.00

Flag question

What is the output of this program?

```
import java.util.*;
class Maps {
   public static void main(String args[]) {
      HashMap obj = new HashMap();
      obj.put("A", new Integer(1));
      obj.put("B", new Integer(2));
      obj.put("C", new Integer(3));
      System.out.println(obj);
   }
}
```

a. {A, B, C}

b. {A-1, B-1, C-1}

c. {A=1, B=2, C=3}

d. {A 1, B 1, C 1}

Question **7**

Complete

Marked out of 1.00

Which of these method Map class is used to obtain an element in the map having specified key?

a. look()

b. search()

Question **8**

Complete

Marked out of 1.00

Flag question

Given:

```
public static void before() {
Set set = new TreeSet();
set.add("2");
set.add(3);
set.add("1");
Iterator it = set.iterator();
while (it.hasNext())
System.out.print(it.next() + " ");
}
```

Which of the following statements are true?

a. The before() method will print 1 2

b. The before() method will print three numbers, but the order cannot be determined

c. The before() method will not compile

d. The before() method will print 1 2 3

e. The before() method will throw an exception at runtime

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Question 9
Complete
Marked out of 1.00
Flag question

Which of these classes provide implementation of map interface?

a. HashMap
b. LinkedList
c. ArrayList
d. DynamicList

Question 10
Complete
Marked out of 1.00
Flag question

What will be the output of the following?

```
import java.util.Iterator;
import java.util.TreeSet;

public class Test {
 public static void main(String[] args) {
  TreeSet map = new TreeSet();
  map.add("one");
  map.add("two");
  map.add("three");
  map.add("four");
  map.add("one");
  Iterator it = map.iterator();
  while(it.hasNext()) {
```

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a. four one three two
b. An exception is thrown at runtime
c. four three two one
d. one two three four
e. one two three four one

Question 11
Complete
Marked out of 1.00
Flag question

Which of these methods can be used to obtain set of all keys in a map?

a. getAll()
b. keySet()
c. keyall()
d. getKeys()

Question 12
Complete
Marked out of 1.00
Flag question

Which interface does java.util.Hashtable implement?

a. java.util.Map
b. java.util.Collection
c. java.util.HashTable
d. java.util.List

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Question 13
Complete
Marked out of 1.00
Flag question

Which of these method is used add an element and corresponding key to a map?

a. add()
b. set()
c. redo()
d. put()

Question 14
Complete
Marked out of 1.00
Flag question

Which code will sort the keys of props hashmap?

```
HashMap props=new HashMap();
props.put("Key45","value45");
props.put("Key24","value24");
props.put("Key33","value33");
Set s=props.keySet();
//insert code here
```

a. Array.sort(s)
b. Collections.sort(s);
c. s=new TreeSet(s)
d. s=new SortedSet(s);

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Question **15**
Complete
Marked out of 1.00
Flag question

Map implements collection interface?

a. True
b. False

Question **16**
Complete
Marked out of 1.00
Flag question

Select one or more true statements:
A. Set does not store duplicate values
B. All Set implementations are sorted.
C . HashMap and Hashtable both store key value pairs, Hashtable we would use in case of synchronization requirements.
D. List implemetations dynamically grow in size, allow duplicates and are not sorted

a. A, C, D
b. only C
c. only B
d. Both A and D

Question **17**
Complete
Marked out of 1.00

Which of these methods can be used to obtain set of all keys in a map?

a. getKeys()

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Question **17**
Complete
Marked out of 1.00
Flag question

Which of these methods can be used to obtain set of all keys in a map?

a. getKeys()
b. keyall()
c. keySet()
d. getAll()

Question **18**
Complete
Marked out of 1.00
Flag question

Which collection class allows you to associate its elements with key values, and allows you to retrieve objects in FIFO (first-in, first-out) sequence?

a. java.util.TreeMap
b. java.util.LinkedHashMap
c. java.util.ArrayList
d. java.util.HashMap

Question **19**
Complete
Marked out of 1.00
Flag question

Which of the following method is used to remove all key/value pair map?

a. remove()
b. deleteAll()
c. removeAll()

Question **20**

Complete

Marked out of 1.00

Flag question

What will be the output of the following Java code snippet?

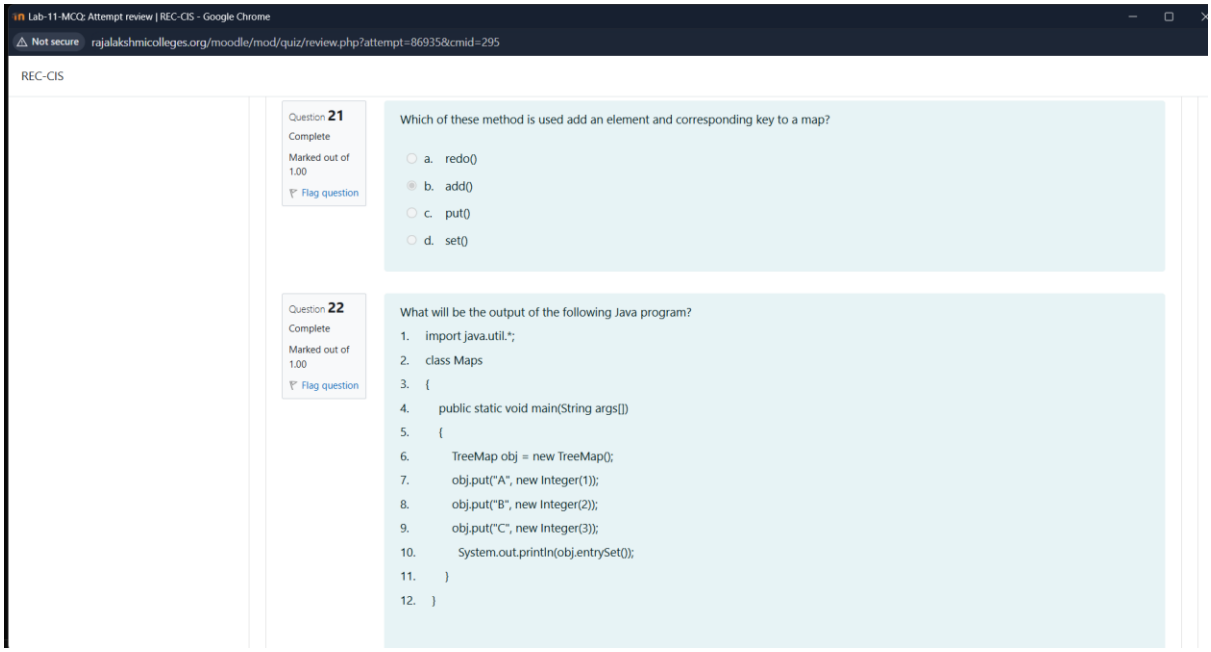
```
1. public class Demo
2. {
3.   public static void main(String[] args)
4.   {
5.   Map<Integer, Object> sampleMap = new TreeMap<Integer, Object>();
6.   sampleMap.put(1, null);
7.   sampleMap.put(5, null);
8.   sampleMap.put(3, null);
9.   sampleMap.put(2, null);
10.   sampleMap.put(4, null);
11.
12.        System.out.println(sampleMap);
13.   }
14. }
```

a. Exception is thrown

b. {5=null}

c. {1=null, 5=null, 3=null, 2=null, 4=null}

d. {1=null, 2=null, 3=null, 4=null, 5=null}



a. [A, B, C]
b. {A=1, B=2, C=3}
c. [A=1, B=2, C=3]
d. [1, 2, 3]

Question 23
Complete
Marked out of 1.00
Flag question

What happens if we put a key object in a HashMap which exists?

a. The old object is removed from the map
b. It throws an exception as the key already exists in the map
c. The new object is discarded
d. The new object replaces the older object

Question 24
Complete
Marked out of 1.00
Flag question

Which interface provides the capability to store objects using a key-value pair?

a. Java.util.Map
b. Java.util.List
c. Java.util.Set
d. Java.util.Collection

Question 25
Complete
Marked out of 1.00
Flag question

What will be the output of the following Java program?

```
1.  import java.util.*;
2.  class Maps
3.  {
4.     public static void main(String args[])
5.     {
6.        HashMap obj = new HashMap();
7.        obj.put("A", new Integer(1));
8.        obj.put("B", new Integer(2));
9.        obj.put("C", new Integer(3));
10.         System.out.println(obj);
11.    }
12. }
```

a. {A, B, C}
b. {A=1, B=2, C=3}
c. {A 1, B 1, C 1}
d. {A-1, B-1, C-1}

Question 26
Complete
Marked out of 1.00
Flag question

Given:

```
TreeSet map = new TreeSet();
map.add("one");
map.add("two");
map.add("three");
map.add("four");
map.add("one");
Iterator it = map.iterator();
while (it.hasNext() ) {
System.out.print( it.next() + " " );
}
```

What is the result?

a. four one three two
b. An exception is thrown at runtime.
c. four three two one
d. one two three four one
e. one two three four

Question **27**
Complete
Marked out of 1.00
Flag question

Suppose that you would like to create an instance of a new Map that has an iteration order that is the same as the iteration order of an existing instance of a Map. Which concrete implementation of the Map interface should be used for the new instance?

a. TreeMap
b. LinkedHashMap
c. The answer depends on the implementation of the existing instance.
d. HashMap

Question **28**
Complete
Marked out of 1.00
Flag question

Which of the following maintains no ordering and contains unique elements?

a. TreeMap
b. LinkedHashMap
c. HashMap
d. All of the mentioned

Question **29**
Complete
Marked out of 1.00
Flag question

Which of the following are false about Collections and Collection?

a. Collection is an interface to Set and List
b. Collections is a special type of collection which holds Set of collections
c. Collections is a Utility class
d. Both Collections and Collection entity belongs to java.util package

Question **30**
Complete
Marked out of 1.00
Flag question

Which of the below does not implement Map interface?

a. Hashtable
b. EnumMap
c. Vector
d. HashMap

Question **31**
Complete
Marked out of 1.00
Flag question

Which of these method Map class is used to obtain an element in the map having specified key?

a. search()
b. look()
c. set()
d. get()

Question **32**
Complete
Marked out of 1.00
Flag question

What will be the output of the following Java program?

```
1.  import java.util.*;
2.  class Maps
3.  {
4.     public static void main(String args[])
5.     {
6.        HashMap obj = new HashMap();
7.        obj.put("A", new Integer(1));
8.        obj.put("B", new Integer(2));
9.        obj.put("C", new Integer(3));
10.         System.out.println(obj.get("B"));
11.    }
12. }
```

a. 2
b. null
c. 3
d. 1

Question **33**
Complete
Marked out of 1.00
Flag question

While finding the correct location for saving key value pair, how many times the key is hashed?

a. unlimited till bucket is found
b. 1
c. 3
d. 2

Question **34**

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Question **34**
Complete
Marked out of 1.00
Flag question

Which of these object stores association between keys and values?

a. Hash table
b. String
c. Array
d. Map

Question **35**
Complete
Marked out of 1.00
Flag question

What will be the output of the following Java program?

```
1.  import java.util.*;
2.  class Maps
3.  {
4.    public static void main(String args[])
5.    {
6.      HashMap obj = new HashMap();
7.      obj.put("A", new Integer(1));
8.      obj.put("B", new Integer(2));
9.      obj.put("C", new Integer(3));
10.       System.out.println(obj.keySet());
11.   }
12. }
```