Java collection Quiz without Keys

Time:20 mins

Instructions:
As mentioned earlier

1.Which of these packages contain all the collection classes?
a) java.lang
b) **java.util**
c) java.net
d) java.awt

2.Which of these classes is not part of Java's collection framework?
a**) Maps**
b) Array
c) Stack
d) Queue

3.Which of this interface is not a part of Java's collection framework?
a) List
b) Set
c) SortedMap
d) SortedList

4.Which of these methods deletes all the elements from invoking collection?
a) clear()
b) reset()
c) delete()
d) refresh()

5.What is Collection in Java?
a) A group of objects
b) A group of classes
c) A group of interfaces
d) None of the mentioned

6 What will be the output of the following Java program?

```
import java.util.*;
class Array
{
    public static void main(String args[])
```

```
    {
        int array[] = new int [5];
        for (int i = 5; i > 0; i--)
            array[5-i] = i;
        Arrays.fill(array, 1, 4, 8);
        for (int i = 0; i < 5 ; i++)
            System.out.print(array[i]);
    }
}
```

a) 12885
b) 12845
c) 58881
d) 54881

7.What will be the output of the following Java program?

```
import java.util.*;
  class Bitset
  {
     public static void main(String args[])
     {
        BitSet obj = new BitSet(5);
        for (int i = 0; i < 5; ++i)
           obj.set(i);
        obj.clear(2);
        System.out.print(obj);
     }
  }
```

a) {0, 1, 3, 4}
b) {0, 1, 2, 4}
c) {0, 1, 2, 3, 4}
d) {0, 0, 0, 3, 4}

8.Which of these return type of hasNext() method of an iterator?
a) Integer
b) Double
c) Boolean
d) Collections Object

9.Which of these methods is used to obtain an iterator to the start of collection?
a) start()
b) begin()
c) iteratorSet()
d) iterator()

10.Which of these methods can be used to move to next element in a collection?
a) next()
b) move()
c) shuffle()
d) hasNext()

11.Which of these iterators can be used only with List?
a) Setiterator
b) ListIterator
c) Literator
d) None of the mentioned

12.Which of these is a method of ListIterator used to obtain index of previous element?
a) previous()
b) previousIndex()
c) back()
d) goBack()

13.Which of these exceptions is thrown by remover() method?
a) IOException
b) SystemException
c) ObjectNotFoundExeception
d) IllegalStateException

14.What will be the output of the following Java program?

```
import java.util.*;
   class Collection_iterators
   {
      public static void main(String args[])
      {
         ListIterator a = list.listIterator();
            if(a.previousIndex()! = -1)
               while(a.hasNext())
                     System.out.print(a.next() + " ");
            else
              System.out.print("EMPTY");
      }
   }
```

a) 0
b) 1
c) -1
d) EMPTY

15.What will be the output of the following Java program?

```
import java.util.*;
class Collection_iterators
{
    public static void main(String args[])
    {
        LinkedList list = new LinkedList();
        list.add(new Integer(2));
        list.add(new Integer(8));
        list.add(new Integer(5));
        list.add(new Integer(1));
        Iterator i = list.iterator();
        Collections.reverse(list);
            while(i.hasNext())
                System.out.print(i.next() + " ");
    }
}
```

a) 2 8 5 1
b) 1 5 8 2
c) 2
d) 2 1 8 5
View Answer

16. What will be the output of the following Java program?

```
import java.util.*;
class Collection_iterators
{
    public static void main(String args[])
    {
        LinkedList list = new LinkedList();
        list.add(new Integer(2));
        list.add(new Integer(8));
        list.add(new Integer(5));
        list.add(new Integer(1));
        Iterator i = list.iterator();
        Collections.reverse(list);
            Collections.sort(list);
        while(i.hasNext())
                System.out.print(i.next() + " ");
    }
}
```

a) 2 8 5 1
b) 1 5 8 2

c) 1 2 5 8
d) 2 1 8 5

17. What will be the output of the following Java program?

```
import java.util.*;
class Collection_iterators
{
    public static void main(String args[])
    {
        LinkedList list = new LinkedList();
        list.add(new Integer(2));
        list.add(new Integer(8));
        list.add(new Integer(5));
        list.add(new Integer(1));
        Iterator i = list.iterator();
        Collections.reverse(list);
            Collections.shuffle(list);
        i.next();
        i.remove();
        while(i.hasNext())
                System.out.print(i.next() + " ");
    }
}
```

a) 2 8 5
b) 2 1 8
c) 2 5 8
d) 8 5 1

18.What will be the output of the following Java program?

```
import java.util.*;
class Collection_iterators
{
    public static void main(String args[])
    {
        LinkedList list = new LinkedList();
        list.add(new Integer(2));
        list.add(new Integer(8));
        list.add(new Integer(5));
        list.add(new Integer(1));
        Iterator i = list.iterator();
        Collections.reverse(list);
            Collections.sort(list);
```

```
        while(i.hasNext())
            System.out.print(i.next() + " ");
    }
  }
```

a) 2 8 5 1
b) 1 5 8 2
c) 1 2 5 8
d) 2 1 8 5

19.What is the difference between Queue and Stack?
a) Stack is LIFO; Queue is FIFO
b) Queue is LIFO; Stack is FIFO
c) Stack and Queue is FIFO
d) Stack and Queue is LIFO

20.Which of these standard collection classes implements all the standard functions on list data structure?
a) Array
b) LinkedList
c) HashSet
d) AbstractSet

15.What will be the output of the following Java program

```
import java.util.*;
  class Arraylist
  {
    public static void main(String args[])
    {
      ArrayList obj1 = new ArrayList();
      ArrayList obj2 = new ArrayList();
      obj1.add("A");
      obj1.add("B");
      obj2.add("A");
      obj2.add(1, "B");
      System.out.println(obj1.equals(obj2));
    }
  }
```

a) 0
b) 1
c) true
d) false

22.Which of the following methods is used to check if an element is present in a Collection in Java?
a) check()
b) contains()
c) isPresent()
d) verify()

23.In Java, which collection class does not allow duplicate elements?
a) ArrayList
b) LinkedList
c) HashSet
d) TreeSet

24.Which method is used to add an element at a specific index in an ArrayList?
a) addToIndex()
b) addElementAt()
c) addAt()
d) add()

25.Which method is used to get the number of elements in a Set?
a) getSize()
b) elementsCount()
c) size()
d) length()