Oracle_RealExamQuestions.Com_1Z0-851_v2011-11-09_265q_By-Bomas

Exam A

QUESTION 1
A programmer has an algorithm that requires a java.util.List that provides an efficient implementation of `add(0, object)`, but does NOT need to support quick random access. What supports these requirements?

A. `java.util.Queue`
B. `java.util.ArrayList`
C. `java.util.LinearList`
D. `java.util.LinkedList`

Correct Answer: D

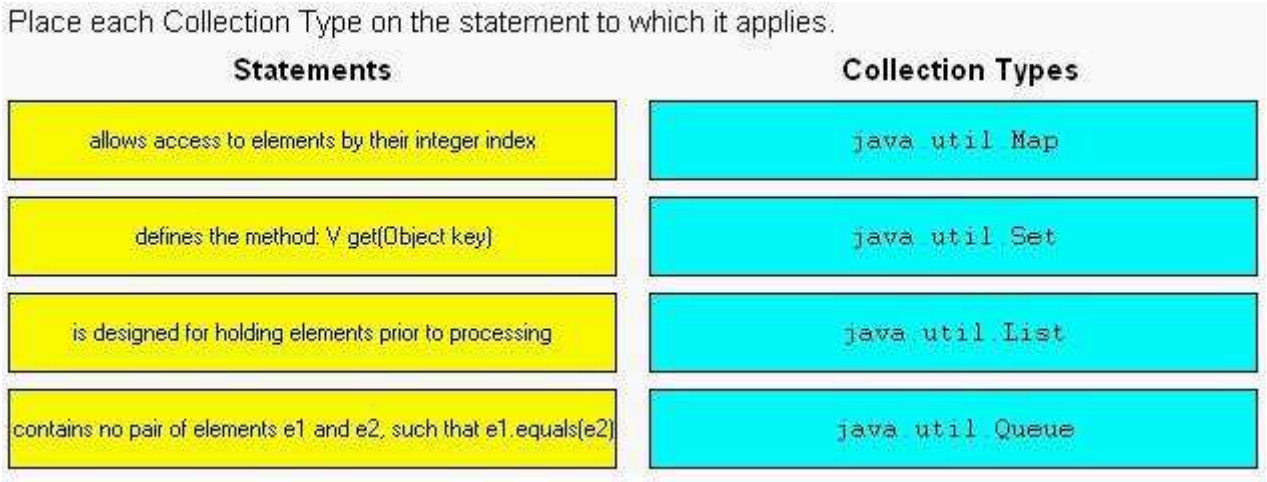
QUESTION 2
Which collection class(es) allows you to grow or shrink its size and provides indexed access to its elements, but whose methods are not synchronized?

A. java.util.HashSet
B. java.util.LinkedHashSet
C. java.util.List
D. java.util.ArrayList
E. java.util.Vector
F. java.util.PriorityQueue

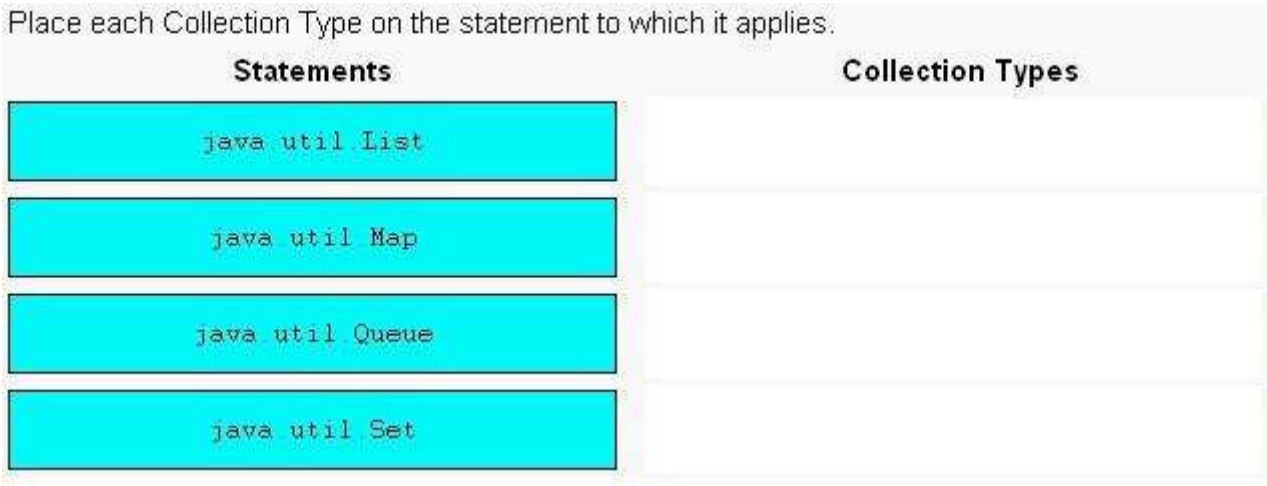
Correct Answer: D

QUESTION 3

Select and Place:

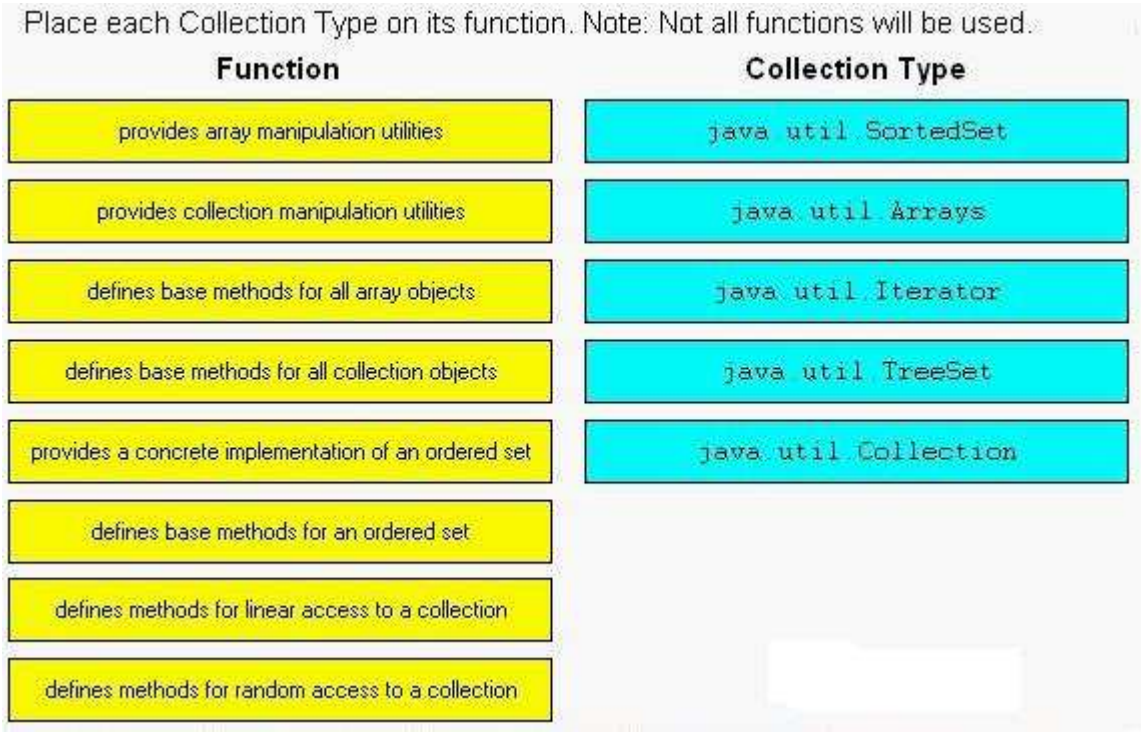


Correct Answer:

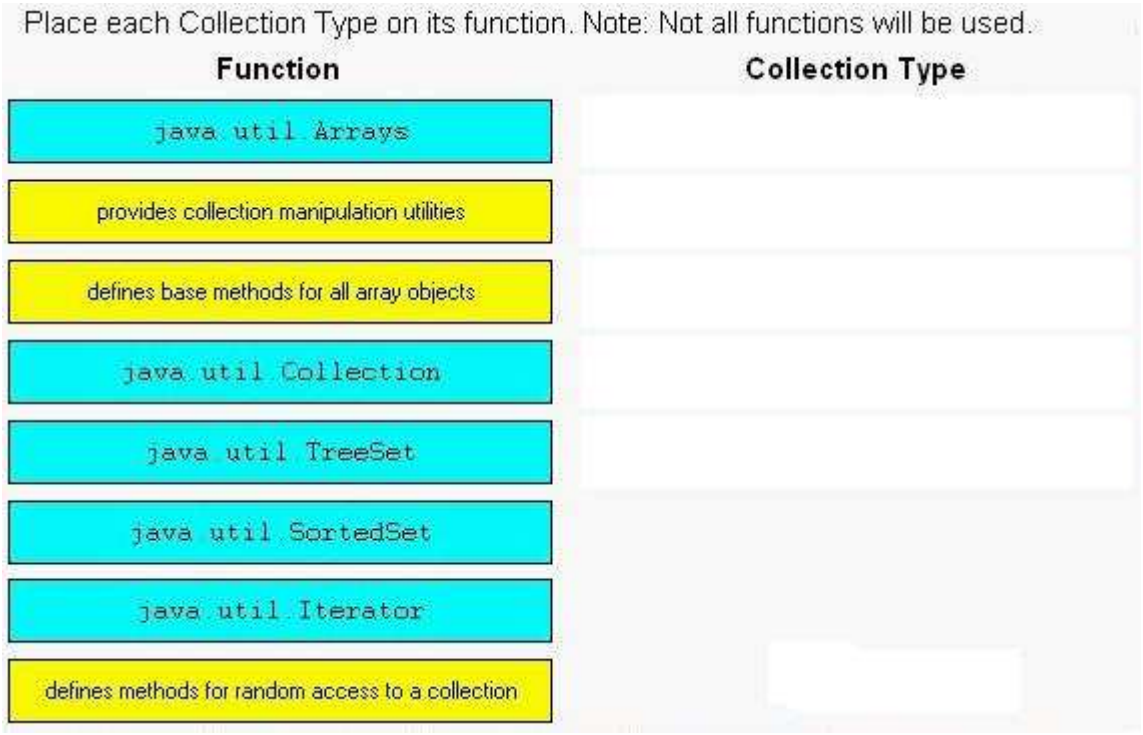


QUESTION 4

Select and Place:



Correct Answer:



QUESTION 5
Given a class whose instances, when found in a collection of objects, are sorted by using the compareTo() method, which two statements are true? (Choose two.)

A. The class implements java.lang.Comparable.
B. The class implements java.util.Comparator.
C. The interface used to implement sorting allows this class to define only one sort sequence.
D. The interface used to implement sorting allows this class to define many different sort sequences.

Correct Answer: AC

QUESTION 6
Given:

```
import java.util.*;

public class Quest {
    public static void main(String[] args) {
        String[] colors = {"blue", "red", "green", "yellow", "orange"};
        Arrays.sort(colors);
        int s2 = Arrays.binarySearch(colors, "orange");
        int s3 = Arrays.binarySearch(colors, "violet");
        System.out.println(s2 + " " + s3);
    }
}
```

What is the result?

A. 2 -1
B. 2 -4
C. 2 -5
D. 3 -1
E. 3 -4
F. 3 -5
G. Compilation fails.

H. An exception is thrown at runtime.

Correct Answer: C

QUESTION 7
Given:

```
23. Object [] myObjects = {
24.         new Integer(12),
25.         new String("foo"),
26.         new Integer(5),
27.         new Boolean(true)
28. };
29. Arrays.sort(myObjects);
30. for(int i=0; i<myObjects.length; i++) {
31.     System.out.print(myObjects[i].toString());
32.     System.out.print(" ");
33. }
```

What is the result?

A. Compilation fails due to an error in line 23.
B. Compilation fails due to an error in line 29.
C. A ClassCastException occurs in line 29.
D. A ClassCastException occurs in line 31.
E. The value of all four objects prints in natural order.

Correct Answer: C

QUESTION 8
Given:

```
1. import java.util.*;
2.
3. public class LetterASort {
4.     public static void main(String[] args) {
5.         String[] strings = new String[]{"aAaA", "AaA", "aAa", "AAaa"};
6.         Arrays.sort(strings);
7.         for (String s : strings) {
8.             System.out.print(s + " ");
9.         }
10.     }
11. }
```

What is the result?

A. Compilation fails.
B. aAaA aAa AAaa AaA
C. AAaa AaA aAa aAaA
D. AaA AAaa aAaA aAa
E. aAa AaA aAaA AAaa
F. An exception is thrown at runtime.

Correct Answer: C

QUESTION 9
Given:

```
1. import java.util.*;
2.
3. public class LetterASort {
```

```
4.      public static void main(String[] args) {
5.          ArrayList<String> strings = new ArrayList<String>();
6.          strings.add("aAaA");
7.          strings.add("AaA");
8.          strings.add("aAa");
9.          strings.add("AAaa");
10.         Collections.sort(strings);
11.         for (String s : strings) {
12.             System.out.print(s + " ");
13.         }
14.     }
15. }
```

What is the result?

A. Compilation fails.
B. aAaA aAa AAaa AaA
C. AAaa AaA aAa aAaA
D. AaA AAaa aAaA aAa
E. aAa AaA aAaA AAaa
F. An exception is thrown at runtime.

Correct Answer: C

QUESTION 10
Given:

```
11. public void genNumbers() {
12.         ArrayList numbers = new ArrayList();
13.         for (int i = 0; i < 10; i++) {
14.             int value = i * ((int) Math.random());
15.             Integer intObj = new Integer(value);
16.             numbers.add(intObj);
17.         }
18.         System.out.println(numbers);
19. }
```

Which line of code marks the earliest point that an object referenced by intObj becomes a candidate for garbage collection?

A. Line 16
B. Line 17
C. Line 18
D. Line 19
E. The object is NOT a candidate for garbage collection.

Correct Answer: D

QUESTION 11
Given:

```
01. import java.util.*;
02. public class Example {
03.     public static void main(String[] args) {
04.         // insert code here
05.         set.add(new Integer(2));
06.         set.add(new Integer(1));
07.         System.out.println(set);
08.     }
09. }
```

Which code, inserted at line 4, guarantees that this program will output [1, 2]?

A. `Set set = new TreeSet();`
B. `Set set = new HashSet();`
C. `Set set = new SortedSet();`
D. `List set = new SortedList();`
E. `Set set = new LinkedHashSet();`

Correct Answer: A

QUESTION 12
Given:

```
import java.util.*;

public class Explorer1 {
    public static void main(String[] args) {
        TreeSet<Integer> s = new TreeSet<Integer>();
        TreeSet<Integer> subs = new TreeSet<Integer>();
        for(int i = 606; i < 613; i++)
            if(i%2 == 0) s.add(i);
        subs = (TreeSet)s.subSet(608, true, 611, true);
        s.add(609);
        System.out.println(s + " " + subs);
    }
}
```

What is the result?

A. Compilation fails.
B. An exception is thrown at runtime.
C. [608, 609, 610, 612] [608, 610]
D. [608, 609, 610, 612] [608, 609, 610]
E. [606, 608, 609, 610, 612] [608, 610]
F. [606, 608, 609, 610, 612] [608, 609, 610]

Correct Answer: F

QUESTION 13
Given:

```
import java.util.TreeSet;

public class Explorer2 {
    public static void main(String[] args) {
        TreeSet<Integer> s = new TreeSet<Integer>();
        TreeSet<Integer> subs = new TreeSet<Integer>();
        for(int i = 606; i < 613; i++)
            if(i%2 == 0) s.add(i);
        subs = (TreeSet)s.subSet(608, true, 611, true);
        s.add(629);
        System.out.println(s + " " + subs);
    }
}
```

What is the result?

A. Compilation fails.
B. An exception is thrown at runtime.
C. [608, 610, 612, 629] [608, 610]
D. [608, 610, 612, 629] [608, 610, 629]

E. [606, 608, 610, 612, 629] [608, 610]
F. [606, 608, 610, 612, 629] [608, 610, 629]

Correct Answer: E

QUESTION 14
Given:

```
1. import java.util.*;
2.
3. public class Explorer3 {
4.     public static void main(String[] args) {
5.         TreeSet<Integer> s = new TreeSet<Integer>();
6.         TreeSet<Integer> subs = new TreeSet<Integer>();
7.         for (int i = 606; i < 613; i++)
8.             if (i % 2 == 0)
9.                 s.add(i);
10.        subs = (TreeSet) s.subSet(608, true, 611, true);
11.        subs.add(629);
12.        System.out.println(s + " " + subs);
13.    }
14.}
```

What is the result?

A. Compilation fails.
B. An exception is thrown at runtime.
C. [608, 610, 612, 629] [608, 610]
D. [608, 610, 612, 629] [608, 610, 629]
E. [606, 608, 610, 612, 629] [608, 610]
F. [606, 608, 610, 612, 629] [608, 610, 629]

Correct Answer: B

QUESTION 15
Given that the elements of a PriorityQueue are ordered according to natural ordering, and:

```
import java.util.*;

public class GetInLine {
    public static void main(String[] args) {
        PriorityQueue<String> pq = new PriorityQueue<String>();
        pq.add("banana");
        pq.add("pear");
        pq.add("apple");
        System.out.println(pq.poll() + " " + pq.peek());
    }
}
```

What is the result?

A. apple pear
B. banana pear
C. apple apple
D. apple banana
E. banana banana

Correct Answer: D

QUESTION 16

Given:

```
import java.util.*;

public class Mapit {
    public static void main(String[] args) {
        Set<Integer> set = new HashSet<Integer>();
        Integer i1 = 45;
        Integer i2 = 46;
        set.add(i1);
        set.add(i1);
        set.add(i2); System.out.print(set.size() + " ");
        set.remove(i1); System.out.print(set.size() + " ");
        i2 = 47;
        set.remove(i2); System.out.print(set.size() + " ");
    }
}
```

What is the result?

A. 2 1 0
B. 2 1 1
C. 3 2 1
D. 3 2 2
E. Compilation fails.
F. An exception is thrown at runtime.

Correct Answer: B

QUESTION 17
Given:

```
import java.util.*;

public class WrappedString {
    private String s;

    public WrappedString(String s) { this.s = s; }

    public static void main(String[] args) {
        HashSet<Object> hs = new HashSet<Object>();
        WrappedString ws1 = new WrappedString("aardvark");
        WrappedString ws2 = new WrappedString("aardvark");
        String s1 = new String("aardvark");
        String s2 = new String("aardvark");
        hs.add(ws1); hs.add(ws2); hs.add(s1); hs.add(s2);
        System.out.println(hs.size()); }
}
```

What is the result?

A. 0
B. 1
C. 2
D. 3
E. 4
F. Compilation fails.
G. An exception is thrown at runtime.

Correct Answer: D

QUESTION 18

Given:

```
import java.util.*;

public class SortOf {
    public static void main(String[] args) {
        ArrayList<Integer> a = new ArrayList<Integer>();
        a.add(1); a.add(5); a.add(3);
        Collections.sort(a);
        a.add(2);
        Collections.reverse(a);
        System.out.println(a);
    }
}
```

What is the result?

A. [1, 2, 3, 5]
B. [2, 1, 3, 5]
C. [2, 5, 3, 1]
D. [5, 3, 2, 1]
E. [1, 3, 5, 2]
F. Compilation fails.
G. An exception is thrown at runtime.

Correct Answer: C

QUESTION 19
Given:

```
public static Collection get() {
    Collection sorted = new LinkedList();
    sorted.add("B"); sorted.add("C"); sorted.add("A");
    return sorted;
}

public static void main(String[] args) {
    for (Object obj: get()) {
        System.out.print(obj + ", ");
    }
}
```

What is the result?

A. A, B, C,
B. B, C, A,
C. Compilation fails.
D. The code runs with no output.
E. An exception is thrown at runtime.

Correct Answer: B

QUESTION 20
Given:

```
34. HashMap props = new HashMap();
35. props.put("key45", "some value");
36. props.put("key12", "some other value");
37. props.put("key39", "yet another value");
38. Set s = props.keySet();
39. //insert code here
```

What, inserted at line 39, will sort the keys in the props HashMap?

A. `Arrays.sort(s);`
B. `s = new TreeSet(s);`
C. `Collections.sort(s);`
D. `s = new SortedSet(s);`

Correct Answer: B

QUESTION 21
Given:

```
public static Iterator reverse(List list) {
    Collections.reverse(list);
    return list.iterator();
}

public static void main(String[] args) {
    List list = new ArrayList();
    list.add("1"); list.add("2"); list.add("3");
    for (Object obj: reverse(list))
        System.out.print(obj + ", ");
}
```

What is the result?

A. 3, 2, 1,
B. 1, 2, 3,
C. Compilation fails.
D. The code runs with no output.
E. An exception is thrown at runtime.

Correct Answer: C

QUESTION 22
Given:

```
class Pizza {
    java.util.ArrayList toppings;

    public final void addTopping(String topping) {
        toppings.add(topping);
    }
    public void removeTopping(String topping) {
        toppings.remove(topping);
    }
}

public class PepperoniPizza extends Pizza {
    public void addTopping(String topping) {
        System.out.println("Cannot add Toppings");
    }

    public static void main(String[] args) {
        Pizza pizza = new PepperoniPizza();
        pizza.addTopping("Mushrooms");
        pizza.removeTopping("Peperoni");
    }
}
```

What is the result?

A. Compilation fails.

B. Cannot add Toppings
C. The code runs with no output.
D. A NullPointerException is thrown in Line 4.

Correct Answer: A

QUESTION 23
Given:

```
interface A { void x(); }
class B implements A { public void x() {} public void y() {} }
class C extends B { public void x() {} }
```

and:

```
20. java.util.List<A> list = new java.util.ArrayList<A>();
21. list.add(new B());
22. list.add(new C());
23. for (A a : list) {
24.    a.x();
25.    a.y();
26. }
```

What is the result?

A. The code runs with no output.
B. An exception is thrown at runtime.
C. Compilation fails because of an error in line 20.
D. Compilation fails because of an error in line 21.
E. Compilation fails because of an error in line 23.
F. Compilation fails because of an error in line 25.

Correct Answer: F

QUESTION 24
Given a pre-generics implementation of a method:

```
11. public static int sum(List list) {
12.    int sum = 0;
13.    for ( Iterator iter = list.iterator(); iter.hasNext(); ) {
14.        int i = ((Integer)iter.next()).intValue();
15.        sum += i;
16.    }
17.    return sum;
18. }
```

What three changes allow the class to be used with generics and avoid an unchecked warning? (Choose three.)

A. Remove line 14.
B. Replace line 14 with `int i = iter.next();`
C. Replace line 13 with `for (int i : intList) {`
D. Replace line 13 with `for (Iterator iter : intList) {`
E. Replace the method declaration `with sum(List<int> intList)`
F. Replace the method declaration `with sum(List<Integer> intList)`

Correct Answer: ACF

QUESTION 25
Given:

```
11. //insert code here
12.   private N min, max;
13.   public N getMin() { return min; }
14.   public N getMax() { return max; }
15.   public void add(N added) {
16.      if (min == null || added.doubleValue() < min.doubleValue())
17.         min = added;
18.      if (max == null || added.doubleValue() > max.doubleValue())
19         max = added;
20.   }
21. }
```

Which two, inserted at line 11, will allow the code to compile? (Choose two.)

A. `public class MinMax<?> {`
B. `public class MinMax<? extends Number> {`
C. `public class MinMax<N extends Object> {`
D. `public class MinMax<N extends Number> {`
E. `public class MinMax<? extends Object> {`
F. `public class MinMax<N extends Integer> {`

Correct Answer: DF

QUESTION 26
Given:

```
3. import java.util.*;
4. public class G1 {
5.    public void takeList(List<? extends String> list) {
6.        // insert code here
7.    }
8. }
```

Which three code fragments, inserted independently at line 6, will compile? (Choose three.)

A. `list.add("foo");`
B. `Object o = list;`
C. `String s = list.get(0);`
D. `list = new ArrayList<String>();`
E. `list = new ArrayList<Object>();`

Correct Answer: BCD

QUESTION 27
A programmer must create a generic class MinMax and the type parameter of MinMax must implement Comparable. Which implementation of MinMax will compile?

A.
```
class MinMax<E extends Comparable<E>> {
      E min = null;
      E max = null;
      public MinMax() {}
      public void put(E value) { /* store min or max */ }
  }
```
B.
```
class MinMax<E implements Comparable<E>> {
      E min = null;
      E max = null;
      public MinMax() {}
      public void put(E value) { /* store min or max */ }
  }
```
C.
```
class MinMax<E extends Comparable<E>> {
      <E> E min = null;
```

```
        <E> E max = null;
        public MinMax() {}
        public <E> void put(E value) { /* store min or max */ }
    }
```

D.
```
class MinMax<E implements Comparable<E>> {
        <E> E min = null;
        <E> E max = null;
        public MinMax() {}
        public <E> void put(E value) { /* store min or max */ }
    }
```

Correct Answer: A

QUESTION 28
Given:

```
03. import java.util.*;
04. public class Hancock {
05.         // insert code here
06.         list.add("foo");
07.     }
08. }
```

Which two code fragments, inserted independently at line 5, will compile without warnings? (Choose two.)

A. `public void addStrings(List list) {`
B. `public void addStrings(List<String> list) {`
C. `public void addStrings(List<? super String> list) {`
D. `public void addStrings(List<? extends String> list) {`

Correct Answer: BC

QUESTION 29
Given:

```
public class Drink implements Comparable {
    public String name;
    public int compareTo(Object o) {
        return 0;
    }
}
```

and:

```
Drink one = new Drink();
Drink two = new Drink();
one.name= "Coffee";
two.name= "Tea";
TreeSet set = new TreeSet();
set.add(one);
set.add(two);
```

A programmer iterates over the TreeSet and prints the name of each Drink object. What is the result?

A. Tea
B. Coffee
C. Coffee
   Tea
D. Compilation fails.
E. The code runs with no output.
F. An exception is thrown at runtime.

Correct Answer: B

QUESTION 30
Given:

```
public class Person {
    private name;
    public Person(String name) {
        this.name = name;
    }
    public int hashCode() {
        return 420;
    }
}
```

Which statement is true?

A. The time to find the value from HashMap with a Person key depends on the size of the map.
B. Deleting a Person key from a HashMap will delete all map entries for all keys of type Person.
C. Inserting a second Person object into a HashSet will cause the first Person object to be removed as a duplicate.
D. The time to determine whether a Person object is contained in a HashSet is constant and does NOT depend on the size of the map.

Correct Answer: A

QUESTION 31
Given:

```
public class Key {
    private long id1;
    private long id2;

    // class Key methods
}
```

A programmer is developing a class Key, that will be used as a key in a standard java.util.HashMap. Which two methods should be overridden to assure that Key works correctly as a key? (Choose two.)

A. `public int hashCode()`
B. `public boolean equals(Key k)`
C. `public int compareTo(Object o)`
D. `public boolean equals(Object o)`
E. `public boolean compareTo(Key k)`

Correct Answer: AD

QUESTION 32

Select and Place:

Place code into the class so that it compiles and generates the output `answer=42`. Note: Code options may be used more than once.

Class

```
public class [Place here] {
  private [Place here] object;
  public [Place here] ([Place here] object) {
    this.object = object;
  }
  public [Place here] getObject() {
    return object;
  }

  public static void main(String[] args) {
    Gen<String> str = new Gen<String>("answer");
    Gen<Integer> intg = new Gen<Integer>(42);
    System.out.println(str.getObject() + "=" +
        intg.getObject());
  }
}
```

Code Options

- Gen<T>
- Gen<?>
- Gen
- ?
- T

Correct Answer:

Place code into the class so that it compiles and generates the output `answer=42`. Note: Code options may be used more than once.

Class

```
public class [Gen<T>] {
  private [T] object;
  public [Gen] ([T] object) {
    this.object = object;
  }
  public [T] getObject() {
    return object;
  }

  public static void main(String[] args) {
    Gen<String> str = new Gen<String>("answer");
    Gen<Integer> intg = new Gen<Integer>(42);
    System.out.println(str.getObject() + "=" +
        intg.getObject());
  }
}
```

Code Options

- Gen<T>
- Gen<?>
- Gen
- ?
- T

QUESTION 33

Select and Place:

Given the class definitions:

```
class Animal { }
class Dog extends Animal { }
```

and the code:

```
public void go() {
  ArrayList<Dog> aList = new ArrayList<Dog>();
  takeList(aList);
}
// insert definition of the takeList() method here
```

Place the correct Compilation Result on each takeList() method definition to indicate whether or not the go() method would compile given that definition.

takeList() Method Definition

`public void takeList(ArrayList list) { }`
`public void takeList(ArrayList<Animal> list) { }`
`public void takeList(ArrayList<? extends Animal> list) { }`
`public void takeList(ArrayList<?> list) { }`
`public void takeList(ArrayList<Object> list) { }`

Compilation Result

Compilation succeeds.
Compilation fails.

Correct Answer:

Given the class definitions:

```
class Animal { }
class Dog extends Animal { }
```

and the code:

```
public void go() {
  ArrayList<Dog> aList = new ArrayList<Dog>();
  takeList(aList);
}
// insert definition of the takeList() method here
```

Place the correct Compilation Result on each takeList() method definition to indicate whether or not the go() method would compile given that definition.

takeList() Method Definition

Compilation succeeds.
Compilation fails.
Compilation succeeds.
Compilation succeeds.
Compilation fails.

Compilation Result

Compilation succeeds.
Compilation fails.

QUESTION 34

Select and Place:

Place the code in the appropriate places such that this program will always output [1, 2].

```
import java.util.*;

public class MyInt [Place here] [Place here] {
    public static void main(String[] args) {
      ArrayList<MyInt> list = new ArrayList<MyInt>();
      list.add(new MyInt(2));
      list.add(new MyInt(1));
      Collections.sort(list);
      System.out.println(list);
    }
    private int i;
    public MyInt(int i) { this.i = i; }
    public String toString() { return Integer.toString(i); }

    [Place here] int [Place here] {
      MyInt i2 = (MyInt)o;

      return [Place here] ;
    }
}
```

Code

implements	extends	Sortable	Object	Comparable
protected	public	i - i2.i	i	i2.i - i
compare(MyInt o, MyInt i2)		compare(Object o, Object i2)		
sort(Object o)		sort(MyInt o)		
compareTo(MyInt o)		compareTo(Object o)		

Correct Answer:

Place the code in the appropriate places such that this program will always output [1, 2].

```
import java.util.*;

public class MyInt [implements] [Comparable] {
    public static void main(String[] args) {
      ArrayList<MyInt> list = new ArrayList<MyInt>();
      list.add(new MyInt(2));
      list.add(new MyInt(1));
      Collections.sort(list);
      System.out.println(list);
    }
    private int i;
    public MyInt(int i) { this.i = i; }
    public String toString() { return Integer.toString(i); }

    [public] int [compareTo(Object o)] {
      MyInt i2 = (MyInt)o;

      return [i - i2.i] ;
    }
}
```

Code

	extends	Sortable	Object	
protected			i	i2.i - i
compare(MyInt o, MyInt i2)		compare(Object o, Object i2)		
sort(Object o)		sort(MyInt o)		
compareTo(MyInt o)				

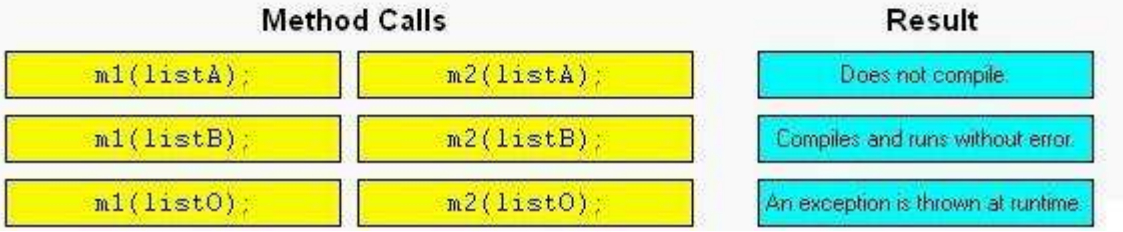
QUESTION 35

Select and Place:

Given:

```
1. import java.util.*;
2. class A { }
3. class B extends A { }
4. public class Test {
5.   public static void main(String[] args) {
6.     List<A> listA = new LinkedList<A>();
7.     List<B> listB = new LinkedList<B>();
8.     List<Object> listO = new LinkedList<Object>();
9.     // insert code here
10.  }
11.  public static void m1(List<? extends A> list) { }
12.  public static void m2(List<A> list) { }
13. }
```

Place a result onto each method call to indicate what would happen if the method call were inserted at line 9. Note: Results can be used more than once.

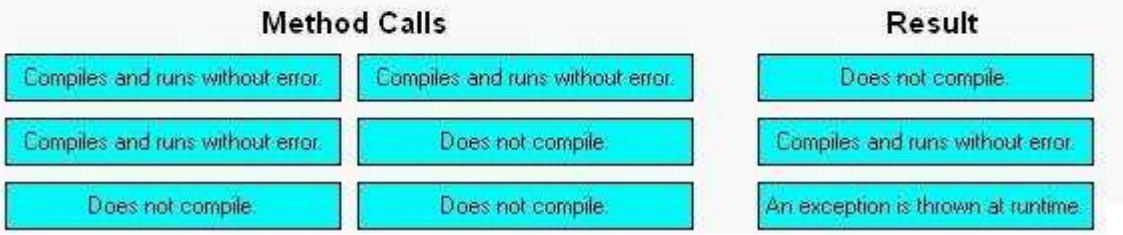


Correct Answer:

Given:

```
1. import java.util.*;
2. class A { }
3. class B extends A { }
4. public class Test {
5.   public static void main(String[] args) {
6.     List<A> listA = new LinkedList<A>();
7.     List<B> listB = new LinkedList<B>();
8.     List<Object> listO = new LinkedList<Object>();
9.     // insert code here
10.  }
11.  public static void m1(List<? extends A> list) { }
12.  public static void m2(List<A> list) { }
13. }
```

Place a result onto each method call to indicate what would happen if the method call were inserted at line 9. Note: Results can be used more than once.



QUESTION 36

Select and Place:

Given:
```
NumberNames nn = new NumberNames();
nn.put("one", 1);
System.out.println(nn.getNames());
```

Place the code into position to create a class that maps from Strings to integer values. The result of execution must be [one]. Some options may be used more than once.

```
public class NumberNames {
  private HashMap< Place here , Place here > map =
      new HashMap< Place here , Place here Place here ;
  public void put(String name, int value) {
    map.put( Place here , Place here );
  }
  public Place here getNames() {
    return map.keySet();
  }
}
```

Code

Set<int>	Set<Integer>	HashSet
Set<Integer,String>	Set<int, String>	Set<String,Integer>
Set<String, int>	Set<String>	NumberNames
String	Integer	int	>
>()	name	value	map

Correct Answer:

Given:
```
NumberNames nn = new NumberNames();
nn.put("one", 1);
System.out.println(nn.getNames());
```

Place the code into position to create a class that maps from Strings to integer values. The result of execution must be [one]. Some options may be used more than once.

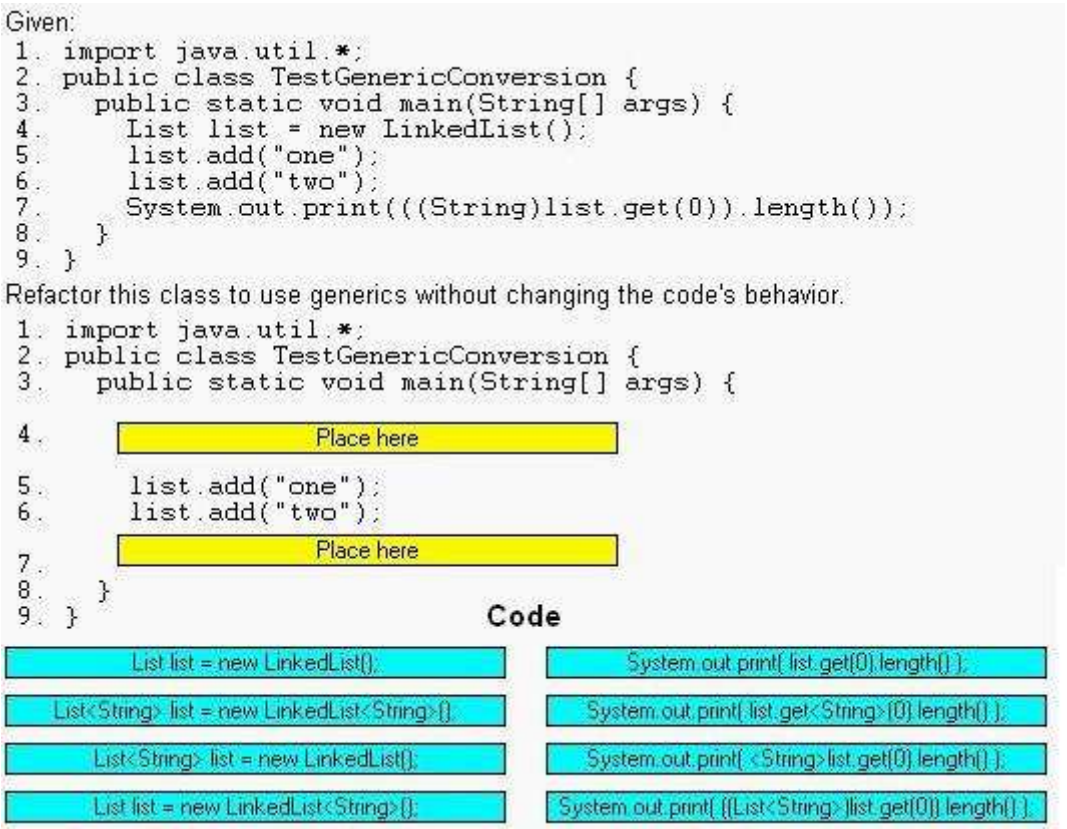
```
public class NumberNames {
  private HashMap< String , Integer > map =
      new HashMap< String , Integer >() ;
  public void put(String name, int value) {
    map.put( name , value );
  }
  public Set<String> getNames() {
    return map.keySet();
  }
}
```

Code

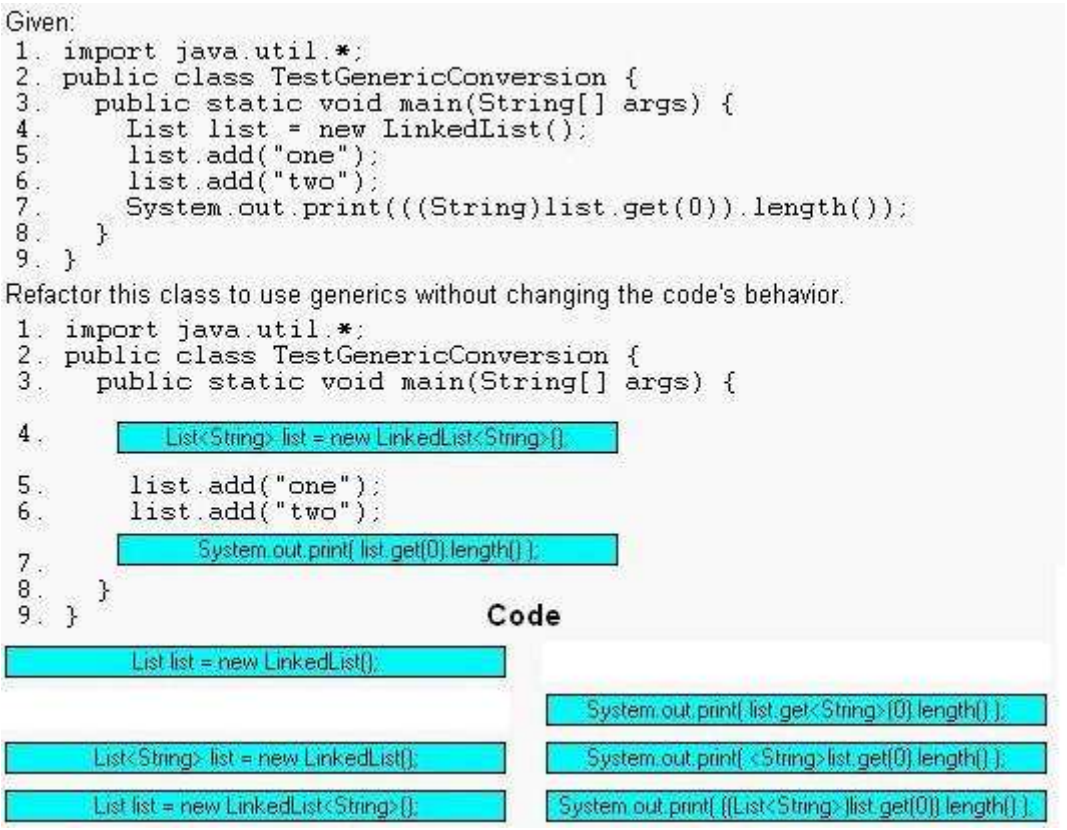
Set<int>	Set<Integer>	HashSet
Set<Integer,String>	Set<int, String>	Set<String,Integer>
Set<String, int>	Set<String>	NumberNames
String	Integer	int	>
>()	name	value	map

QUESTION 37

Select and Place:

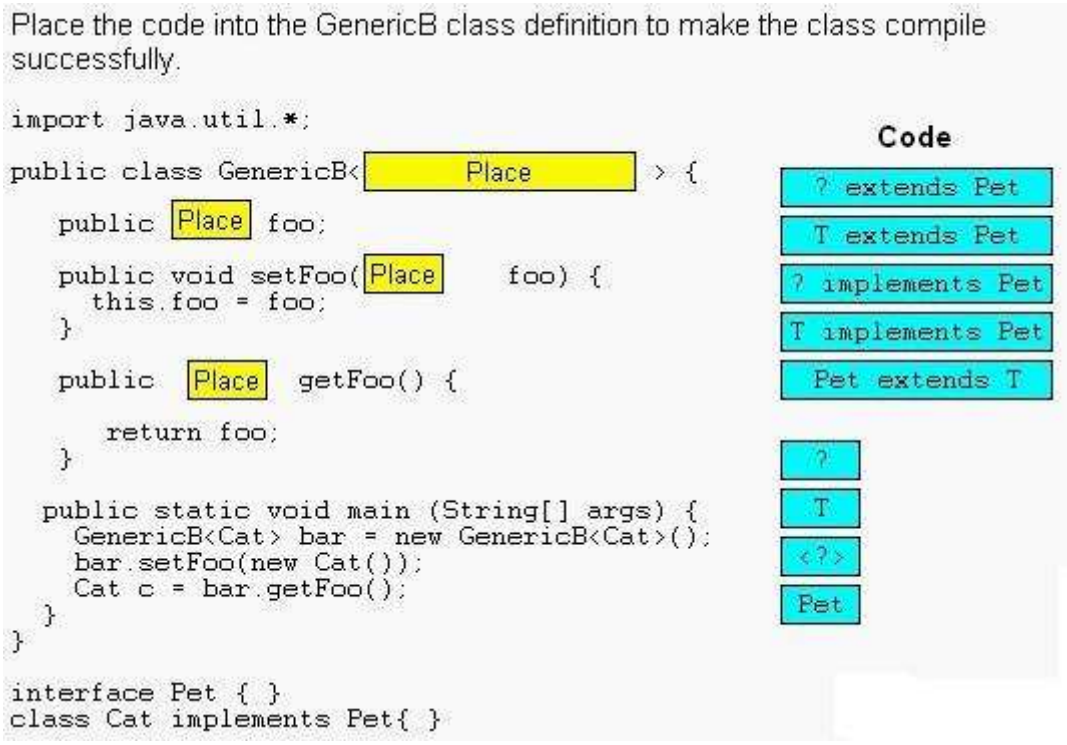


Correct Answer:

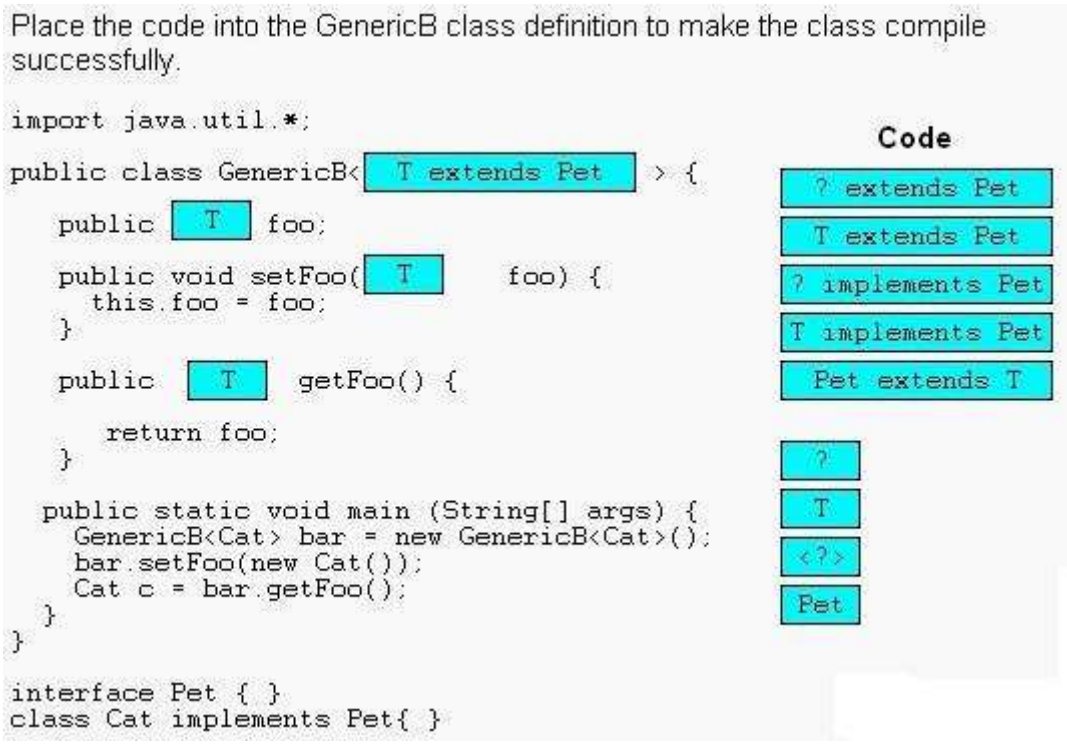


QUESTION 38

Select and Place:



Correct Answer:



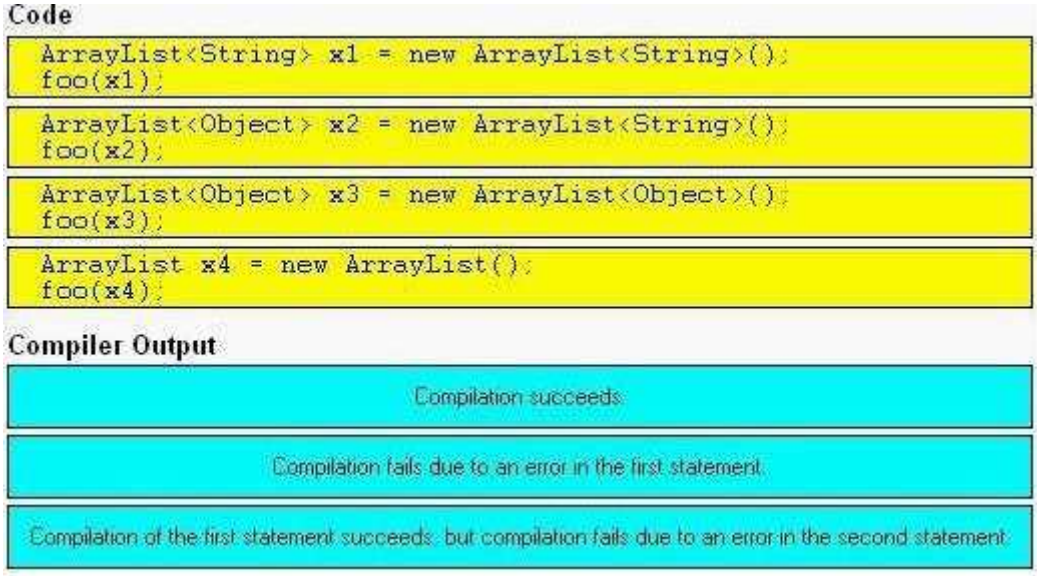
QUESTION 39

Place the correct description of the compiler output on the code fragments to be inserted at lines 4 and 5. The same compiler output may be used more than once.

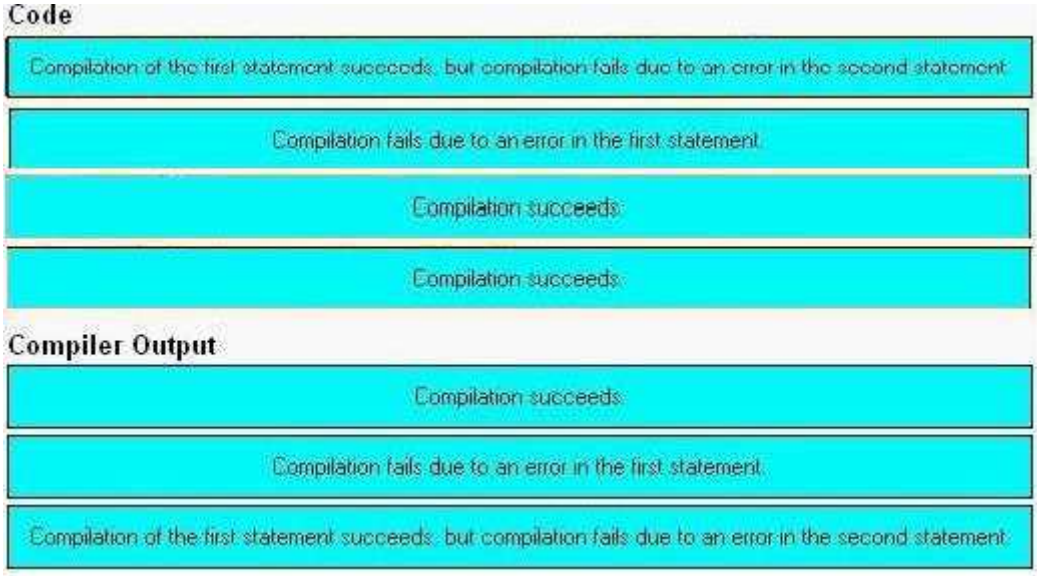
```
01. import java.util.*;
02. public class X {
03.     public static void main(String[] args) {
04.         // insert code here
05.         // insert code here
06.     }
07.     public static void foo(List<Object> list) { }
```

```
08. }
```

Select and Place:



Correct Answer:



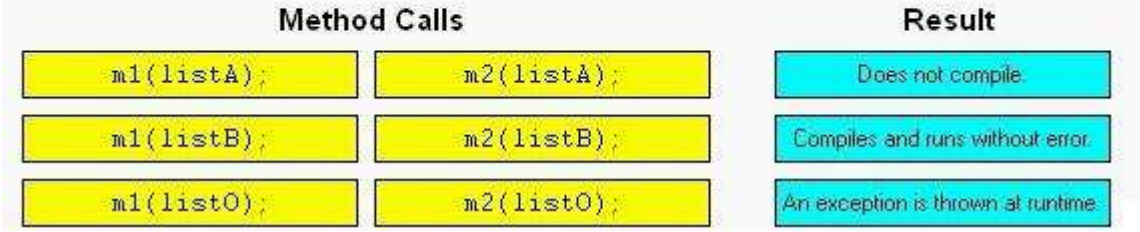
QUESTION 40

Select and Place:

Given:

```
1. import java.util.*;
2. class A { }
3. class B extends A { }
4. public class Test {
5.   public static void main(String[] args) {
6.     List<A> listA = new LinkedList<A>();
7.     List<B> listB = new LinkedList<B>();
8.     List<Object> listO = new LinkedList<Object>();
9.     // insert code here
10.  }
11.  public static void m1(List<? extends A> list) { }
12.  public static void m2(List<A> list) { }
13. }
```

Place a result onto each method call to indicate what would happen if the method call were inserted at line 9. Note: Results can be used more than once.

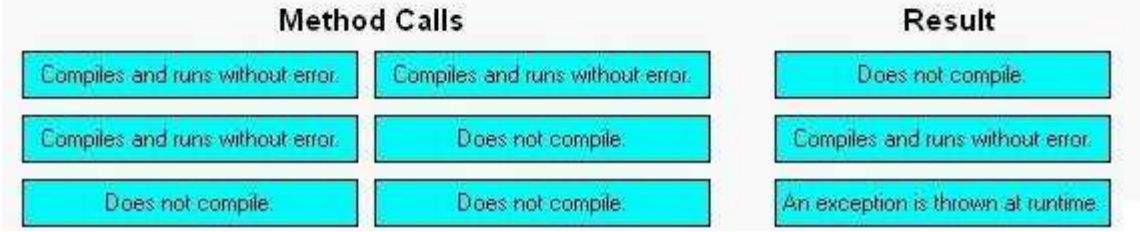


Correct Answer:

Given:

```
1. import java.util.*;
2. class A { }
3. class B extends A { }
4. public class Test {
5.   public static void main(String[] args) {
6.     List<A> listA = new LinkedList<A>();
7.     List<B> listB = new LinkedList<B>();
8.     List<Object> listO = new LinkedList<Object>();
9.     // insert code here
10.  }
11.  public static void m1(List<? extends A> list) { }
12.  public static void m2(List<A> list) { }
13. }
```

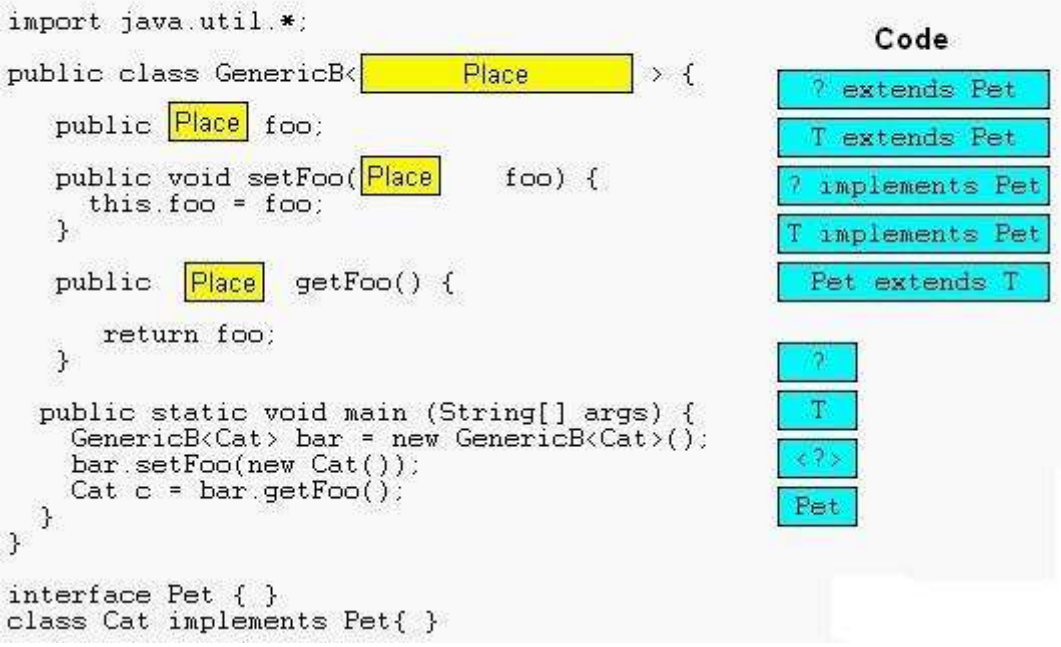
Place a result onto each method call to indicate what would happen if the method call were inserted at line 9. Note: Results can be used more than once.



QUESTION 41

Select and Place:

Place the code into the GenericB class definition to make the class compile successfully.



Correct Answer:

Place the code into the GenericB class definition to make the class compile successfully.