

## FRESHER ACADEMY JPE Quiz 3 Option 1

Testing date: Allowed time: 30'	L
Account:	
Birth date:	

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CODE: JPE.Q3.Opt1

## **Testing notes**

- You are not allowed to use mobile or other communicating devices during the test
- This is book-closed testing. You are not allowed to use any reference while doing the test.
- Select one answer for each question. Don't answer or note on the question book.
- Fill your answers into the Answer sheet.

## **Testing questions & answers**

No.	Question & Answer Group	ANS
1.	Can null value be added to a List?	Α
	A. YES	
	B. NO	
2.	If an exception is generated in try block , then it is caught in block	С
	A. finally	
	B. try	
	C. catch	
3.	What will be the output of the following Java program?	В
	class ExceptionTest {	
	public static void main(String args[]) {	
	try {	
	System.out.print("Hello" + " " + 1 / 0);	
	} catch(ArithmeticException e) {	
	System.out.print("World");	
	}	
	}	
	} A. Hello	
	B. World	
	C. HelloWorld	
	D. Hello World	
4.	Given the following code, what is the result?	В
'-	import java.util.*;	
	class Arraylist {	
	public static void main(String args[]) {	
	ArrayList obj = new ArrayList();	
	obj.add("A");	
	obj.add("B");	
	obj.add("C");	
	obj.add(1, "D");	
	System.out.println(obj);	
	}	
	}	
	A. [A, B, C, D]	
	B. [A, D, B, C]	
	C. [A, D, C]	
	D. [A, B, C]	

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5.	Consider the following program. What will be the output of this program?	С
0.	import java.util.*;	•
	class Test {	
	public static void main(String []args) {	
	Set <integer> set = new TreeSet<integer>();</integer></integer>	
	set.add(5);	
	set.add(10);	
	set.add(3);	
	set.add(5);	
	System.out.println(set);	
	}	
	}	
	A. [5, 10, 3, 5]	
	B. [5, 10, 3]	
	C. [3, 5, 10]	
	D. [10, 5, 3]	
6.	Which of these method Map interface used to obtain an element in the map having	В
	specified key?	
	A. search()	
	B. get()	
	C. set()	
	D. look()	
7.	Which interface provides the capability to store objects using a key-value pair?	Α
	A. java.util.Map	
	B. java.util.Set	
	C. java.util.List	
	D. java.util.Collection	
8.	What will be the output of the following Java program?	D
	1. import java.util.*;	
	2. class Maps {	
	3. public static void main(String args[]) {	
	4. HashMap obj = new HashMap();	
	5. obj.put("A", new Integer(1));	
	6. obj.put("B", new Integer(2));	
	7. obj.put("C", new Integer(3));	
	8. System.out.println(obj);	
	9.	
	10. }	
	A (A 4 B 4 O 0)	
	A. {A 1, B 1, C 1}	
	B. {A, B, C}	
	C. {A-1, B-1, C-1}	
0	D. {A=1, B=2, C=3}	В
9.	To sort an ArrayList <t> by class Array, the class T must be implement the method?  A. Comparable<t>.compare</t></t>	D
	B. Comparable <t>.compareTo</t>	
	C. Comparator <t>.compare</t>	
	D. Sortable <t>.compare</t>	
10.	A try statement must always have a associated with it. easy	D
10.	A. catch	
	B. throws	
	C. finally	
	D. catch, finally or both	
1	····· , ········· , ······ ··· · · · ·	

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```
11.
      What will be the output of the program?
                                                                                                            С
      public class X {
              public static void main(String [] args) {
                       try {
                               badMethod();
                               System.out.print("A");
                       catch (RuntimeException ex) /* Line 10 */ {
                               System.out.print("B");
                       catch (Exception ex1) {
                               System.out.print("C");
                       finally {
                               System.out.print("D");
                       System.out.print("E");
              }
              public static void badMethod() {
                       throw new RuntimeException();
              }
      }
          A. BD
          B. BCD
          C. BDE
          D. BCDE
12.
                                                                                                            В
      What is the result of compiling and running the following code?
      public class MainClass {
              public static void main(String[] args) {
                       System.out.print("1");
                       try {
                               return;
                      } catch (Exception e) {
                               System.out.print("2");
                      } finally {
                               System.out.print("3");
                       System.out.print("4");
              }
      }
          A. 1234
          B. 13
          C. 1
          D. Compilation error
13.
      Which of the following statements will compile without an error? (Choose all that apply.)
                                                                                                           A,D
          A. int arr[];
          B. int arr[5];
          C. int arr[5] = \{1,2,3,4,5\};
          D. int arr[] = \{1,2,3,4,5\};
14.
      What is the value of seasons.length for the following array?
                                                                                                            В
      String[] seasons = {"winter", "spring", "summer", "fall" };"
          A. 3
          B. 4
          C. 0
          D. NullPointerException thrown
```

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A. Array a = new Array(5); B. int array[] = new int [5]; C. int a[] = new int [5]; C. int a[] = new int [5]; D. int [5] array; D. int [5] array; Is a superclass of all exception classes. A. Object B. Exception C. RuntimeException D. IOException D. IOException D. IoException In which sequence will the characters a, b, and c be printed by the following program? import java.util.*; public class ListTest {     public static void main(String args[]) {         List s1 = new ArrayList(1);         s1.add("a");         s1.add("b");         s2.add("b");         s2.add("b");         s2.add("b");         s3.add("b");         s4.add("b");         s4.add("b");         s4.add("b");         s4.add("b");         s4.add("b");         s4.add("b");         s4.add("b");         s5.add("b");         s6.add("b");	15.	Which of the following will declare an array and initialize it?	В
C. int at    = new int(5); D. int   5] array;  16.			
D. int [5] array;		B. int array[] = new int [5];	
Secreption   B   B		C. int a[] = new int(5);	
A. Object B. Exception C. RuntimeException D. IOException In which sequence will the characters a, b, and c be printed by the following program? import java.util."; public class ListTest {     public static void main(String args[]) {         List s1 = new ArrayList(i);         s1.add("a");         s1.add("b");         s1.add("b");         s1.add("b");         s1.add("b");         s1.add("b");         s1.add("b");         s1.add("b");         s1.add("b");         s1.add("a");         s1.add("b");         s1.add("b");         s1.add("b");         s1.add("b");         s2.betem.out.println("s1);         system.out.println("betem.out.out.out.out.out.out.out.out.out.out		D. int [5] array;	
B. Exception C. RuntimeException D. Io(Exception D. Io(Exception D. Io(Exception D. Io(Exception D. Io(Exception D. Io(Exception In which sequence will the characters a, b, and c be printed by the following program? import java.util.*; public class ListTest {     public static void main(String args[]) {         List s1 = new ArrayList();         s1.add(*a*);         s1.add(*a*);         s1.add(*a*);         s1.add(*a*);         s1.add(*b*);         s1.add(*a*);         s1.add(*b*);         s1.add(*b*);         s1.add(*b*);         s1.addAll(s2);         System.out.println(s1);         }          A. The sequence a, b, c is printed.         D. The sequence a, c, b, c is printed.         D. The sequence a, c, b, c is printed.         D. The sequence a, c, b, c is printed.         D. The sequence a, c, b, c is printed.         D. The sequence a, c, b, is printed.         D. The sequence a, c, b, is printed.         D. The sequence a, c, b, c is printed.         D. The sequence a, b, c is printed.	16.	is a superclass of all exception classes.	В
C. RuntimeException D. IOException D. IOException D. IOException D. IOException In which sequence will the characters a, b, and c be printed by the following program? import java.util.*; public class ListTest {     public static void main(String args[]) {         List s1 = new ArrayList();         s1.add(*a*);         s1.add(*b*);         s1.add(*b*);         s1.add(*l(*a*);         s1.add(*l(*s2);         System.out.println(s1);         } }  A. The sequence a, b, c is printed. B. The sequence a, c, b, c is printed. C. The sequence a, c, b is printed. D. The sequence a, c, b is printed. D. The sequence a, c, b is printed. 18. What will be the output of the program?     try {         int x = 0;         int y = 5 / x;         }         catch (ArithmeticException ae) {             System.out.println("Arithmetic Exception");         } catch (Exception e) {             System.out.println("Exception");         } System.out.println("Finished");         A. finished B. Exception C. Compilation fails. D. Arithmetic Exception finished What will be the output of the following program? public class DemoDuptication {             public class DemoDuptication {                   public class DemoDuptication {		A. Object	
D. IOException  17. In which sequence will the characters a, b, and c be printed by the following program? import java.util.*; public class ListTest { public static void main(String args[]) { List s1 = new ArrayList(); s1.add("a"); s1.add("a"); s1.add("a"); s1.add("b"); s1.add("b"); s1.add("b"); s1.add("s"); s1.add(s");		B. Exception	
In which sequence will the characters a, b, and c be printed by the following program? import java.util.*; public class ListTest {     public static void main(String args[]) {         List s1 = new ArrayList(); s1.add("b"); s1.add("b"); s1.add("b"); s1.add("b"); s1.add(s2); System.out.println(s1); }     }     A. The sequence a, b, c is printed.     B. The sequence a, b, c is printed.     C. The sequence a, c, b, c is printed.     D. The sequence a, c, b, c is printed.     D. The sequence a, c, b, c is printed.     D. The sequence a, c, b, c is printed.     D. The sequence a, c, b, c is printed.     System.out.println("arithmetic Exception"); }     catch (ArithmeticException ae) {         System.out.println("Arithmetic Exception"); }     System.out.println("Exception"); }     System.out.println("Exception"); }     System.out.println("finished"); A. finished     B. Exception     C. Compilation falls.     D. Arithmetic Exception finished     What will be the output of the following program? public class DemoDuplication {         public static void main(String[] args) {           Set-Students students = new HashSet<>(); students.add(new Student("Ducky", 6)); students.add(new Student("Clover", 8)); Students.add(new Student("Clover", 8)); Students.add(new Student("Clover", 8)); Students.add(new Student("Clover", 8)); System.out.println(students);		C. RuntimeException	
import java.util.*; public class ListTest {     public static void main(String args[]) {         List s1 = new ArrayList();         s1.add("a");         s1.add("b");         s1.add(ls0);         s1.add(ls0);         s1.add(ls0);         s1.add(ls0);         s1.addAll(s2);         System.out.println(s1);     } }  A. The sequence a, b, c is printed. B. The sequence a, b, c, b is printed. C. The sequence a, c, b is printed. D. The sequence a, b, c is printed. D. The sequence a, c, b is printed. D		D. IOException	
public class ListTest {     public static void main(String args[]) {         List s1 = new ArrayList();         s1.add("a");         s1.add("1,"c");         List s2 = new ArrayList(s1.subList(1, 1));         s1.add(1,"c");         List s2 = new ArrayList(s1.subList(1, 1));         s1.addAll(s2);         System.out.println(s1);     } }  A. The sequence a, b, c is printed. B. The sequence a, b, c is printed. C. The sequence a, c, b is printed. D. The sequence a, c, b is printed.  18. What will be the output of the program?     try {         int x = 0;         int y = 5 / x;     }         catch (ArithmeticException ae) {             System.out.println("Arithmetic Exception");         } catch (Exception e) {             System.out.println("Exception");         }         System.out.println("finished");         A. finished B. Exception C. Compilation fails. D. Arithmetic Exception finished  19. What will be the output of the following program?     public class DemoDuplication {         public class DemoDuplication {             public class DemoDuplication {                   public class DemoDuplication {	17.	In which sequence will the characters a, b, and c be printed by the following program?	D
public static void main(String args[]) {     List st = new ArrayList():     st.add("b");     st.add("b");     st.add("b");     st.add(l"c");     list s2 = new ArrayList(s1.subList(1, 1));     st.add(l"c");     st.add(l(s2);     System.out.println(s1);     } }  A. The sequence a, b, c is printed. B. The sequence a, c, b, c is printed. C. The sequence a, c, b, c is printed. D. The sequence a, c, b, c is printed. D. The sequence a, c, b is printed.  18. What will be the output of the program?     try {         int x = 0;         int y = 5 / x;     }         catch (ArithmeticException ae) {             System.out.println("Arithmetic Exception");         } catch (Exception e) {             System.out.println("Exception");         }         System.out.println("finished");         A. finished B. Exception C. Compilation fails. D. Arithmetic Exception         finished  19. What will be the output of the following program?         public class DemoDuplication {             public class DemoDuplication {                   public static void main(String[] args) {		import java.util.*;	
List s1 = new ArrayList(); s1.add("a"); s1.add("1, "c"); s1.add(1, "c"); list s2 = new ArrayList(s1.subList(1, 1)); s1.addAll(s2); System.out.println(s1); }  A. The sequence a, b, c is printed. B. The sequence a, c, b, c is printed. C. The sequence a, c, b, c is printed. D. The sequence a, c, b, c is printed. D. The sequence a, c, b, is printed.  18. What will be the output of the program? try {     int x = 0;     int y = 5 / x; }     catch (ArithmeticException ae) {         System.out.println("Arithmetic Exception"); } catch (Exception e) {         System.out.println("Exception"); } System.out.println("finished"); A. finished B. Exception C. Compilation fails. D. Arithmetic Exception finished  19. What will be the output of the following program? public class DemoDuplication {         public static void main(String[] args) {             Set-Student> students = new HashSet<>();             students.add(new Student("Ducky", 6));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             System.out.println(students);		public class ListTest {	
List s1 = new ArrayList(); s1.add("a"); s1.add("1, "c"); s1.add(1, "c"); list s2 = new ArrayList(s1.subList(1, 1)); s1.addAll(s2); System.out.println(s1); }  A. The sequence a, b, c is printed. B. The sequence a, c, b, c is printed. C. The sequence a, c, b, c is printed. D. The sequence a, c, b, c is printed. D. The sequence a, c, b, is printed.  18. What will be the output of the program? try {     int x = 0;     int y = 5 / x; }     catch (ArithmeticException ae) {         System.out.println("Arithmetic Exception"); } catch (Exception e) {         System.out.println("Exception"); } System.out.println("finished"); A. finished B. Exception C. Compilation fails. D. Arithmetic Exception finished  19. What will be the output of the following program? public class DemoDuplication {         public static void main(String[] args) {             Set-Student> students = new HashSet<>();             students.add(new Student("Ducky", 6));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             System.out.println(students);		public static void main(String args[]) {	
s1.add("b"); s1.add(1, "c"); List s2 = new ArrayList(s1.subList(1, 1)); s1.addAll(s2); System.out.println(s1); }  A. The sequence a, b, c is printed. B. The sequence a, c, b, c is printed. C. The sequence a, c, b, c is printed. D. The sequence a, c, b, is printed. D. The sequence a, c, b is printed. What will be the output of the program? try {     int x = 0;     int y = 5 / x; }     catch (ArithmeticException ae) {         System.out.println("Arithmetic Exception"); } catch (Exception e) {         System.out.println("Exception"); }  System.out.println("finished"); A. finished B. Exception C. Compilation fails. D. Arithmetic Exception finished  19. What will be the output of the following program? public class DemoDuplication {     public static void main(String[] args) {         Set <student> students = new HashSet&lt;&gt;();         students.add(new Student("Ducky", 6));         students.add(new Student("Clover", 8));         students.add(new Student("Clover", 8));         students.add(new Student("Clover", 8));         System.out.println(students);</student>			
s1.add(1, "c"); List s2 = new ArrayList(s1.subList(1, 1)); s1.addAll(s2); System.out.println(s1); }  A. The sequence a, b, c is printed. B. The sequence a, c, b, c is printed. C. The sequence a, c, b, c is printed. D. The sequence a, c, b, c is printed. D. The sequence a, c, b is printed.  18. What will be the output of the program?  try {     int x = 0;     int y = 5 / x;     }     catch (ArithmeticException ae) {         System.out.println("Arithmetic Exception");     } catch (Exception e) {         System.out.println("Exception");     }     System.out.println("finished");     A. finished     B. Exception     C. Compilation fails. D. Arithmetic Exception finished  19. What will be the output of the following program?     public class DemoDuplication {         public static void main(String[] args) {             Set-Student> students = new HashSet<>();             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             System.out.println(students);		s1.add("a");	
List s2 = new ArrayList(s1.subList(1, 1)); s1.addAll(s2); System.out.println(s1); }  A. The sequence a, b, c is printed. B. The sequence a, c, b, c is printed. C. The sequence a, c, b is printed. D. The sequence a, c, b is printed.  18. What will be the output of the program? try {     int x = 0;     int y = 5 / x;     }     catch (ArithmeticException ae) {         System.out.println("Arithmetic Exception");     } catch (Exception e) {         System.out.println("Exception");     }     System.out.println("finished");     A. finished     B. Exception     C. Compilation fails.     D. Arithmetic Exception finished  19. What will be the output of the following program?     public class DemoDuplication {         public static void main(String[] args) {             Set <students hashset<="" students="new">();             students.add(new Student("Ducky", 6));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             System.out.println(students);</students>		s1.add("b");	
List s2 = new ArrayList(s1.subList(1, 1)); s1.addAll(s2); System.out.println(s1); }  A. The sequence a, b, c is printed. B. The sequence a, c, b, c is printed. C. The sequence a, c, b is printed. D. The sequence a, c, b is printed.  18. What will be the output of the program? try {     int x = 0;     int y = 5 / x;     }     catch (ArithmeticException ae) {         System.out.println("Arithmetic Exception");     } catch (Exception e) {         System.out.println("Exception");     }     System.out.println("finished");     A. finished     B. Exception     C. Compilation fails.     D. Arithmetic Exception finished  19. What will be the output of the following program?     public class DemoDuplication {         public static void main(String[] args) {             Set <students hashset<="" students="new">();             students.add(new Student("Ducky", 6));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             System.out.println(students);</students>		s1.add(1, "c");	
s1.addAll(s2); System.out.println(s1); }  A. The sequence a, b, c is printed. B. The sequence a, c, b is printed. C. The sequence a, c, b is printed. D. The sequence a, c, b is printed.  18. What will be the output of the program?  try {     int x = 0;     int y = 5 / x; }     catch (ArithmeticException ae) {         System.out.println("Arithmetic Exception"); } catch (Exception e) {         System.out.println("Exception"); }  System.out.println("finished"); A. finished B. Exception C. Compilation fails. D. Arithmetic Exception finished  19. What will be the output of the following program? public class DemoDuplication {         public static void main(String[] args) {             Set-Student> students = new HashSet<>();             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             students.add(new Student("Clover", 8));             System.out.println(students);			
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A. The sequence a, b, c is printed. B. The sequence a, b, c, b is printed. C. The sequence a, c, b, c is printed. D. The sequence a, c, b is printed. D. The sequence a, c, b is printed.  18. What will be the output of the program?  try {      int x = 0;     int y = 5 / x; }  catch (ArithmeticException ae) {         System.out.println(" Arithmetic Exception"); } catch (Exception e) {         System.out.println("Exception"); }  System.out.println("finished"); A. finished B. Exception C. Compilation fails. D. Arithmetic Exception     finished  19. What will be the output of the following program? public class DemoDuplication {     public static void main(String[] args) {         Set <student> students = new HashSet&lt;&gt;();         students.add(new Student("Ducky", 6));         students.add(new Student("Ducky", 8));         students.add(new Student("Hugo", 7));         students.add(new Student("Clover", 8));         System.out.println(students);</student>			
A. The sequence a, b, c is printed. B. The sequence a, b, c, b is printed. C. The sequence a, c, b, c is printed. D. The sequence a, c, b is printed.  18. What will be the output of the program?  try {      int x = 0;     int y = 5 / x;     }      catch (ArithmeticException ae) {         System.out.println(" Arithmetic Exception");     } catch (Exception e) {         System.out.println("Exception");     }      System.out.println("Finished"); A. finished B. Exception C. Compilation fails. D. Arithmetic Exception finished  19. What will be the output of the following program?     public class DemoDuplication {         Set <student> students = new HashSet&lt;&gt;();         students.add(new Student("Ducky", 6));         students.add(new Student("Hugo", 7));         students.add(new Student("Hugo", 7));</student>			
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		· · · · · · · · · · · · · · · · · · ·	
		}	

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```
class Student {
               String name;
               int age;
               Student(String name, int age) {
                       this.name = name;
                       this.age = age;
               }
               @Override
               public String toString() {
                       return "[" + this.name + ", " + this.age + "]";
      }
          A. [[Hugo, 7], [Clover, 8], [Ducky, 6]
          B. [[Hugo, 7], [Clover, 8], [Ducky, 6], [Clover, 8]]
          C. [[Ducky, 6], [Hugo, 7], [Clover, 8], [Clover, 8]]
          D. [[Ducky, 6], [Hugo, 7], [Clover, 8]]
20.
      What will the following code print?
                                                                                                             В
              List s1 = new ArrayList();
               s1.add("a");
               s1.add("b");
               s1.add("c");
               s1.add("a");
               if(s1.remove("a")) {
                       if(s1.remove("a")) {
                               s1.remove("b");
                       } else {
                               s1.remove("c");
               System.out.println(s1);
          A. [b]
          B. [c]
          C. [b, c, a]
          D. [a, b, c, a]
          E. Exception at runtime
```

## -- THE END --

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