

Started on	Thursday, 3 April 2025, 2:14 PM
State	Finished
Completed on	Thursday, 3 April 2025, 2:33 PM
Time taken	18 mins 54 secs
Marks	13.67/15.00
Grade	91.11 out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

Given:

```
3. public class TestDays {  
4. public enum Days { MON, TUE, WED };  
5. public static void main(String[] args) {  
6. for(Days d : Days.values() )  
7. ;  
8. Days [] d2 = Days.values();  
9. System.out.println(d2[2]);  
10. }  
11. }
```

What is the result? (Choose all that apply.)

- ☐ a. Compilation fails due to an error on line 4
- ☐ b. The output is unpredictable
- ☐ c. Compilation fails due to an error on line 8
- ☒ d. WED
- ☐ e. TUE
- ☐ f. Compilation fails due to an error on line 9
- ☐ g. Compilation fails due to an error on line 6

Question 2

Complete

Mark 1.00 out of 1.00

How can you change "Thomas" into "Michel" in the "LastName" column in the Users table?

- ☐ a. MODIFY Users SET LastName = 'Thomas' INTO LastName = 'Michel'
- ☐ b. UPDATE User SET LastName = 'Thomas' INTO LastName = 'Michel'
- ☒ c. UPDATE Users SET LastName = 'Michel' WHERE LastName = 'Thomas'
- ☐ d. MODIFY Users SET LastName = 'Michel' WHERE LastName = 'Thomas'

Question 3

Complete

Mark 0.67 out of 1.00

Given:

```
4. class Announce {  
5. public static void main(String[] args) {  
6. for(int __x = 0; __x < 3; __x++) ;  
7. int #lb = 7;  
8. long [] x [5];  
9. Boolean []ba[];  
10. enum Traffic { RED, YELLOW, GREEN };  
11. }  
12. }
```

What is the result? (Choose all that apply.)

- ☐ a. Compilation succeeds
- ☐ b. Compilation fails with an error on line 10
- ☒ c. Compilation fails with an error on line 7
- ☐ d. Compilation fails with an error on line 6
- ☐ e. Compilation fails with an error on line 9
- ☒ f. Compilation fails with an error on line 8

Question 4

Complete

Mark 1.00 out of 1.00

Find the cities name with the condition and temperature from table 'whether' where condition = sunny or cloudy but temperature >= 60.

- ☐ a. SELECT city, temperature, condition FROM weather WHERE condition = 'cloudy' OR condition = 'sunny' OR temperature >= 60
- ☐ b. SELECT city, temperature, condition FROM weather WHERE condition = 'sunny' AND condition = 'cloudy' AND temperature >= 60
- ☒ c. SELECT city, temperature, condition FROM weather WHERE condition = 'sunny' OR condition = 'cloudy' AND temperature >= 60
- ☐ d. SELECT city, temperature, condition FROM weather WHERE condition = 'cloudy' AND condition = 'sunny' OR temperature >= 60

Question 5

Complete

Mark 1.00 out of 1.00

Convert the postfix expression into infix.

$ab + cd * f / -g +$

- ☐ a. $a + b - (c * d) + (f/g)$
- ☒ b. $((a+b) - ((c * d) / f)) + g$
- ☐ c. $a + (b-c) / d * (f + g)$
- ☐ d. $(a+b) * (c-d) / (f +g)$

Question 6

Complete

Mark 1.00 out of 1.00

Which of the following statements is/are correct for Double Linked List?

1. All the nodes have two links
2. Provides bidirectional traversing
3. Provides only unidirectional traversing

- ☐ a. Only 3
- ☐ b. Only 1
- ☐ c. 1 and 3
- ☒ d. 1 and 2

Question 7

Complete

Mark 1.00 out of 1.00

Which of the following is the correct order of a SQL statement?

- ☐ a. SELECT, GROUP BY, WHERE, HAVING
- ☐ b. SELECT, HAVING, WHERE, GROUP BY
- ☒ c. SELECT, WHERE, GROUP BY, HAVING
- ☐ d. SELECT, WHERE, HAVING, GROUP BY

Question 8

Complete

Mark 1.00 out of 1.00

How many nodes are present in a strictly binary tree with 8 leaves?

- ☐ a. 16
- ☐ b. 7
- ☐ c. 17
- ☒ d. 15

Question 9

Complete

Mark 1.00 out of 1.00

Which of the following statement is correct to display all the cities with the condition, temperature, and humidity whose humidity is in the range of 60 to 75 from the 'whether' table?

- ☐ a. SELECT * FROM weather WHERE humidity NOT BETWEEN 60 AND 75
- ☐ b. SELECT * FROM weather WHERE humidity NOT IN (60 AND 75)
- ☒ c. SELECT * FROM weather WHERE humidity BETWEEN 60 AND 75
- ☐ d. SELECT * FROM weather WHERE humidity IN (60 to 75)

Question 10

Complete

Mark 1.00 out of 1.00

Which operator is used to compare a value to a specified list of values?

- ☒ a. IN
- ☐ b. ALL
- ☐ c. ANY
- ☐ d. BETWEEN

Question 11

Complete

Mark 0.00 out of 1.00

Given:

1. public class Electronic implements Device
- 2.{ public void dolt() { }}
3. abstract class Phone1 extends Electronic { }
4. abstract class Phone2 extends Electronic
- 5.{ public void dolt(int x) { }}
6. class Phone3 extends Electronic implements Device
- 7.{ public void doStuff() { }}
8. interface Device { public void dolt(); }

What is the result? (Choose all that apply.)

- ☐ a. Compilation fails with an error on line 3
- ☐ b. Compilation succeeds
- ☒ c. Compilation fails with an error on line 1
- ☐ d. Compilation fails with an error on line 5
- ☐ e. Compilation fails with an error on line 8
- ☐ f. Compilation fails with an error on line 7

Question 12

Complete

Mark 1.00 out of 1.00

A priority queue is implemented as a Max-Heap. Initially, it has 5 elements. The level-order traversal of the heap is: 10, 8, 5, 3, 2. Two new elements 1 and 7 are inserted into the heap in that order. The level-order traversal of the heap after the insertion of the elements is:

- ☒ a. 10, 8, 7, 3, 2, 1, 5
- ☐ b. 10, 8, 7, 1, 2, 3, 5
- ☐ c. 10, 8, 7, 2, 3, 1, 5
- ☐ d. 10, 8, 7, 5, 3, 2, 1

Question 13

Complete

Mark 1.00 out of 1.00

Given:

```
1. class Voop {  
2. public static void main(String [] args) {  
3. doStuff(1);  
4. doStuff(1,2);  
5. }  
6. // insert code here  
7. }
```

Which, inserted independently at line 6, will compile? (Choose all that apply.)

- ☐ a. static void doStuff(int[] doArgs) { }
- ☐ b. static void doStuff(int doArgs...) { }
- ☐ c. static void doStuff(int... doArgs, int y) { }
- ☒ d. static void doStuff(int... doArgs) { }
- ☒ e. static void doStuff(int x, int... doArgs) { }

Question 14

Complete

Mark 1.00 out of 1.00

Find out the array representation of the given max heap, if the value 25 is inserted in it.

28,17,16,15,14

- ☐ a. 28,25,17,16,15,14
- ☐ b. 25,28,17,15,16,14
- ☐ c. 14,15,16,17,25,28
- ☒ d. 28,17,25,15,14,16

Question 15

Complete

Mark 1.00 out of 1.00

Given:

```
4. public class Frodo extends Hobbit {  
5. public static void main(String[] args) {  
6. Short myGold = 7;  
7. System.out.println(countGold(myGold, 6));  
8. }  
9. }  
10. class Hobbit {  
11. int countGold(int x, int y) { return x + y; }  
12. }
```

What is the result?

- ☐ a. 13
- ☐ b. Compilation fails due to an error on line 6
- ☐ c. Compilation fails due to an error on line 11
- ☒ d. Compilation fails due to an error on line 7
- ☐ e. Compilation fails due to multiple errors