Dashboard (http://kmitonline.com/student/dashboard.php) / Quiz

Started on	Monday, 19 May 2025, 12:34 PM
State	Finished
Completed on	Monday, 19 May 2025, 12:58 PM
Time taken	23 mins 28 secs
Marks	13.00/20.00
Grade	<b>65.00</b> out of 100.00

Question

1

Complete

Mark 1.00 out of 1.00

Question

2

Complete

Mark 1.00 out of 1.00

How many layers are there in the ISO OSI reference model?

Select one:

- ( a. 8
- O b. 5
- O c. 4
- **d.** 6
- e. 7

Complete

Mark 0.00 out of 1.00

Suppose we have a class named Rabbit. Which of the following statements are true? (Choose all that apply) 1: public class Rabbit { 2: public static void main(String[] args) { Rabbit one = new Rabbit(); Rabbit two = new Rabbit(); 5: Rabbit three = one; one = null; 6: Rabbit four = one; three = null; 9: two = null; 10: two = new Rabbit(); 11: System.gc(); 12: } } Select one or more: a. The Rabbit object from line 3 is first eligible for garbage collection immediately following line 6. immediately following line 8. c. The Rabbit object from line 4 is first eligible for garbage collection immediately following line 11. d. The Rabbit object from line 3 is first eligible for garbage collection immediately following line 12. e. The Rabbit object from line 4 is first eligible for garbage collection immediately following line 12. ▼ f. The Rabbit object from line 4 is first eligible for garbage collection immediately following line 9.

	http://kmitonline.com/mod/quiz/review.php?atte
Question	Which topology requires a multipoint connection?
4	Select one:
Complete	<ul><li>a. Bus</li></ul>
Mark 1.00 out of	o b. Mesh
1.00	○ c. Ring
	O d. Star
	In Operating Systems, which of the following is/are CPU scheduling algorithms?
Question	
5	Select one:
Complete	a. Round Robin
Mark 1.00 out of	○ b. Priority
.00	○ c. Shortest Job First
	d. All of the mentioned
Question	A self-balancing binary search tree can be used to implement
6	Colort and
Complete	Select one:
Mark 0.00 out of	<ul><li>a. Priority queue and Heap sort</li></ul>
1.00	b. Priority queue
1.00	
1.00	c. Heap sort

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Complete

Mark 1.00 out of 1.00

What is the output of the following code?		
1: class Arthropod		
2: public void printName(double input) { System.out.print("Arthropod"); }		
3: }		
4: public class Spider extends Arthropod {		
5: public void printName(int input) { System.out.print("Spider"); }		
6: public static void main(String[] args) {		
7: Spider spider = new Spider();		
8: spider.printName(4);		
9: spider.printName(9.0);		
10: }		
11: }		
Select one:		
a. ArthropodSpider		
○ b. SpiderSpider		
c. The code will not compile because of line 9.		
<ul><li>d. The code will not compile because of line 5.</li></ul>		
e. SpiderArthropod		
○ f. ArthropodArthropod		

### Question

8

Complete

Mark 0.00 out of 1.00

Which of the following are unchecked exceptions? (Choose all that apply)

Select one or more:

- a. IllegalArgumentException
- b. Any exception that extends RuntimeException
- c. ArrayIndexOutOfBoundsException
- d. Any exception that extends Exception
- e. NumberFormatException
- f. IOException

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# 9

Complete

Mark 0.00 out of 1.00

Who created the first DBMS?

### Select one:

- a. Edgar Frank Codd
- b. Charles Bachman
- c. Charles Babbage
- d. Sharon B. Codd

### Question

## 10

Complete

Mark 0.00 out of 1.00

Which of the following is not an application of binary search?

#### Select one:

- a. To search in an unordered list
- b. Union of intervals
- o. To find the lower/upper bound in an ordered sequence
- d. Debugging

## Question

### 11

Complete

Mark 1.00 out of 1.00

What is the result of the following?

List<String> hex = Arrays.asList("30", "8", "3A", "FF");

Collections.sort(hex);

int x = Collections.binarySearch(hex, "8");

int y = Collections.binarySearch(hex, "3A");

int z = Collections.binarySearch(hex, "4F");

System.out.println(x + "" + y + "" + z);

#### Select one:

- a. 2 1 −3
- b. 0 1 **-2**
- c. None of the above.
- d. The code doesn't compile.
- e. 2 1 -2
- f. 0 1 **-3**

Question 12	Which of the following statements are true? (Choose all that apply)  Select one or more:  a. Runtime exceptions are the same thing as unchecked exceptions.
Complete  Mark 1.00 out of	b. You can declare only unchecked exceptions.
1.00	c. You can handle only Exception subclasses.
	d. Runtime exceptions are the same thing as checked exceptions.
	e. You can declare only checked exceptions.
	c. Tou buil declare only checked exceptions.
Question <b>13</b>	What is the load factor?
Complete	Select one:
Mark 1.00 out of	○ a. Average key size
1.00	○ b. Average array size
	c. Average chain length
	○ d. Average hash table length
Question	How will you increment the rear end in a circular queue?
14	Select one:
Complete	a. (rear % max) + 1
Mark 1.00 out of	<ul><li>b. (rear+1) % max</li></ul>
1.00	○ c. None of the above
	○ d. rear =rear+1
Question <b>15</b>	The total number of comparisons in a bubble sort is
Complete	Select one:
Mark 1.00 out of	○ a. n^2
1.00	○ b. n^3
	○ c. 2n
	d. n(n-1)/2

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Question <b>16</b>
Complete
Mark 1.00 out of

1.00

Which command is used to remove a stored function from the database?
Select one:
○ a. Remove
○ b. Delete
c. Drop
○ d. Erase

Question **17** 

Complete

Mark 0.00 out of 1.00

Which one of the following is not a function of network layer?

Select one:

- a. routing
- b. congestion control
- o. error control
- d. inter-networking

Question **18** 

Complete

Mark 1.00 out of 1.00

The values appearing in given attributes of any tuple in the referencing relation must likewise occur in specified attributes

of at least one tuple in the referenced relation, according to \_\_\_\_\_ integrity constraint.

Select one:

- a. Specific
- b. Referentialc. Referencing
- d. Primary

- -

Complete

Mark 1.00 out of 1.00

```
Given two tables orders and customers, which SQL query correctly retrieves the names of customers who have placed more than 2 orders?
```

Table:customers

Table:orders

|3 | Charlie |

#### Select one or more:

- a. SELECT DISTINCT c.name FROM customers c, orders o WHERE c.id = o.customer\_id GROUP BY c.id HAVING COUNT(\*) >= 2;
- b. SELECT c.nameFROM orders oLEFT JOIN customers c ON o.customer\_id = c.idWHERE COUNT(o.id) > 2;
- c. SELECT c.name FROM customers c JOIN orders o ON c.id = o.customer\_id GROUP BY c.id HAVING COUNT(o.id) > 2;
- d. SELECT nameFROM customersWHERE id IN (SELECT customer\_id

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GROUP BY customer\_id HAVING COUNT(\*) > 2 );

Question

**20** 

Complete

Mark 0.00 out of 1.00

Where is the operating system placed in the memory?

#### Select one:

- a. in the high memory
- b. in the low memory
- o. none of the mentioned
- d. either low or high memory (depending on the location of interrupt vector)

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