Started on	Monday, 16 June 2025, 11:16 AM
State	Finished
Completed on	Monday, 16 June 2025, 11:39 AM
Time taken	23 mins 37 secs

Question 1
Complete
Marked out of 1.00

What would the following print?

```
int x = 3;
int y = 2;
if (x > 2)
  x++;
if (y > 1)
  y++;
if (x > 2)
  System.out.print("first ");
if (y < 3)
  System.out.print("second ");
System.out.print("third");
```

- ○ a.   .first third
- ○ b.   first second
- ○ c.   first second third
- ○ d.   first

Question 2
Complete
Marked out of 1.00

Which of the following will cause a semantic error, if you are trying to compare x to 5?

- ○ a.   .if (x == 5)
- ○ b.   .if (x >= 5)
- ○ c.   .if (x <= 5)
- ● d.   if (x = 5)

Question 3

Complete

Marked out of 1.00

If class Dog has a subclass Retriever, which of the following is true?

- ○ a.   The relationship between these classes implies that Retriever "has-a" Dog.
- ○ b.   The relationship between these classes implies that Dog "is-a" Retriever.
- ○ c.   Because of single inheritance, Dog can have no other subclasses.
- ◉ d.   Because of single inheritance, Retriever can extend no other class except Dog

Question 4

Complete

Marked out of 1.00

Which class cannot be a subclass in java

- ○ a.   Abstract class
- ◉ b.   None of above
- ○ c.   Final class
- ○ d.   Parent class

Question 5

Complete

Marked out of 1.00

Which of these can be overloaded?

- ○ a.   Methods
- ○ b.   Constructors
- ◉ c.   Both a & b
- ○ d.   None of the mentioned

Question 6

Complete

Marked out of 1.00

What is it knows as when method defined in subclass which has same signature as a method in a super class?

- ○ a.   Packing
- ○ b.   Overloading
- ○ c.   None of these
- ◉ d.   Overriding

Question 7

Complete

Marked out of 1.00

How many finally blocks can there be in a try/catch structure?

○ a.   There must be 1.

◉ b.   There can be 0 or 1 following the last catch block

○ c.   There is no limit to the number of finally blocks following the last catch block.

○ d.   There can be 1 following each catch block.

Question 8

Complete

Marked out of 1.00

If Super class method throws an exception, then which of the statement is correct about Subclass overriden method.

○ a.   can throw the same exception.

◉ b.   can throw child class of the exception thrown by Super class method.

○ c.   All of the Above

○ d.   can throw no exception.

Question 9

Complete

Marked out of 1.00

Which of the following statement is true about TreeSetclass ?

○ a.   Access and retrieval times are quite slow.

○ b.   TreeSet extends AbstractList class and implements the List interface.

○ c.   Uses a LinkedList structure to store elements.

◉ d.   TreeSet stores elements sorted ascending order

Question 10

Complete

Marked out of 1.00

Which of the following statement is not correct about HashMap class ?

○ a.   HashMap class extends AbstractMap and implements Map interface

○ b.   HashMap uses a hashtable to store the map.

◉ c.   HashMap maintain order of its element.

○ d.   HashMap class is not synchronized.

Question 11

Complete

Marked out of 1.00

Process of converting an object into a sequence of bytes which can be persisted is called ?

- ○ a.   Externalization
- ○ b.   Deserialization
- ○ c.   Synchronization
- ◉ d.   Serialization

Question 12

Complete

Marked out of 1.00

Which of the following modifier is used to prevent a property from being serialized ?

- ○ a.   transient
- ○ b.   native
- ○ c.   volatile
- ◉ d.   strictfp

Question 13

Complete

Marked out of 1.00

What will be the output of following code ? Integer iob =100; System.out.println(iob++ + iob++); System.out.println(iob);

- ◉ a.   201 102
- ○ b.   Compilation Error
- ○ c.   200 201
- ○ d.   201 201

Question 14

Complete

Marked out of 1.00

What will be the output of the following program? int[][] matrix = { {1, 2, 3}, {4, 5, 6}, {7, 8, 9} }; System.out.println(matrix[1][2]);

- ○ a.   9
- ◉ b.   6
- ○ c.   5
- ○ d.   4

Question 15

Complete

Marked out of 1.00

Which interface restricts duplicate elements?

○ a.   List

◉ b.   Set

○ c.   None

○ d.   Map

Question 16

Complete

Marked out of 1.00

What does the map() method do in a stream?

○ a.   It sorts the elements in the stream

○ b.   It maps each element to a collection

◉ c.   It transforms each element in the stream

○ d.   It groups elements by a common key

Question 17

Complete

Marked out of 1.00

Which of the following is a short-circuiting terminal operation in the Stream API?

○ a.   forEach()

○ b.   filter()

◉ c.   anyMatch()

○ d.   map()

Question 18

Complete

Marked out of 1.00

Which collection allows you to retrieve elements in the order they were inserted?

- ○ a.　PriorityQueue
- ◉ b.　LinkedHashMap
- ○ c.　TreeMap
- ○ d.　HashSet

Question 19

Complete

Marked out of 1.00

Which SQL statement is used to insert new data in a database?

- ○ a.　ADD NEW
- ○ b.　INSERT NEW
- ○ c.　ADD RECORD
- ◉ d.　INSERT INTO

Question 20

Complete

Marked out of 1.00

The OR operator displays a record if ANY conditions listed are true. The AND operator displays a record if ALL of the conditions listed are true

- ◉ a.　true
- ○ b.　false

Question 21

Complete

Marked out of 1.00

Which SQL statement is used to return only different values?

- ○ a.　SELECT UNIQUE
- ◉ b.　SELECT DISTINCT
- ○ c.　SELECT DIFFERENT

Question 22

Complete

Marked out of 1.00

Which of the following datatype is most appropriate for storing a string of up to 255 characters?

- a. BINARY
- b. TEXT
- ◉ c. TINY TEXT
- d. BLOB

Question 23

Complete

Marked out of 1.00

Which of the following commands is used to delete all rows and free up space from a table?

- a. DELETE
- b. ALTER
- c. TRUNCATE
- ◉ d. DROP

Question 24

Complete

Marked out of 1.00

Which of the following commands is used to delete a trigger in SQL?

- a. DELETE
- ◉ b. DROP
- c. None of the above
- d. ALTER

Question 25

Complete

Marked out of 1.00

Which of the following commands is used to delete a trigger in SQL?

- ◉ a. Insert, Update, Delete
- b. Insert, Update, Create
- c. Drop, Update, Delete
- d. Insert, Alter, Delete

Question 26

Complete

Marked out of 1.00

Identify the error in
"UPDATE Employees SET Salary = Salary * 1.05 WHERE;"

- a. UPDATE keyword

- b. No error

- c. SET keyword

- d. WHERE clause

Question 27

Complete

Marked out of 1.00

Which of the following is basis for SQL?

- a. DBMS

- b. SQL Server

- c. Oracle

- d. RDBMS

Question 28

Complete

Marked out of 1.00

What is the full form of PL in PL/SQL?

- a. Programming Logic

- b. Procedural Logic

- c. Procedural Language

- d. Programming Language

Question 29

Complete

Marked out of 1.00

Which of the following statement(s) copies data from one table into a new table?

- ○ a.   Select
- ○ b.   Copy
- ○ c.   Copy Paste
- ◉ d.   Select into

Question 30

Complete

Marked out of 1.00

Which of the following function returns the total sum of a numeric column?

- ◉ a.   Sum ( )
- ○ b.   Addition ( )
- ○ c.   Total sum ( )
- ○ d.   Add ( )

Question 31

Complete

Marked out of 1.00

Alias name should not contain any spaces.

- ○ a.   True
- ◉ b.   False

Question 32

Complete

Marked out of 1.00

Which keyword is used to look for NULL values?

- ⦿ a.   Is Null
- ○ b.   Isnull
- ○ c.   Not Null
- ○ d.   Null

Question 33

Complete

Marked out of 1.00

Which of the following order is valid and yields correct results in SQL?

- ○ a.   Select, order by, from
- ○ b.   From, order by, where
- ⦿ c.   Select, from, where, order by
- ○ d.   Select, from, order by, where

Question 34

Complete

Marked out of 1.00

What is a raw type in Java generics?

- ○ a.   A type that hasn't been processed

- ○ b.   An uncompiled type

- ⦿ c.   A generic type without type parameters

- ○ d.   A primitive type

Question 35

Complete

Marked out of 1.00

What is the core concept of Spring Framework?

- ○ a. Serialization
- ◉ b. Object-Oriented Programming
- ○ c. Multithreading
- ○ d. Inversion of Control

Question 36

Complete

Marked out of 1.00

Which of the following is a container in Spring for managing beans?

- ◉ a. ContextManager
- ○ b. BeanContext
- ○ c. ServiceLoader
- ○ d. ApplicationContext

Question 37

Complete

Marked out of 1.00

In Spring, which of the following types of dependency injection is not available?

- ○ a.
     Field Injection

- ○ b.
     Method Injection

- ◉ c.
     Constructor Injection

- ○ d. Interface Injection

Question 38

Complete

Marked out of 1.00

Which annotation is used to auto-wire dependencies in Spring?

○ a. @Inject

○ b. @Bean

○ c. @Resource

◉ d. @Autowired

Question 39

Complete

Marked out of 1.00

What is the purpose of @Component annotation in Spring?

○ a. Mark a class as a Spring bean

○ b. Specify bean scope

○ c. Define a controller

◉ d. Define a configuration class

Question 40

Complete

Marked out of 1.00

What is the default scope of a Spring bean?

○ a.
   Prototype

○ b. Session

◉ c.
   Singleton

○ d. Request