

ADV JAVA MOCK TEST SEPT-2022 DAC

1. Which of the following is not true for servlet?

Answers

1. It is persistent
2. Platform independent
3. It is multi threaded
4. It is single threaded.

2. Which method of the servlet is/are called several times in its life?

Answers

1. init()
2. doPost()
3. destroy()
4. None of above

3. Which object is used to forward the request processing from one servlet to another?

Answers

1. ServletContext
2. ServletConfig
3. RequestDispatcher
4. ResponseDispatcher

4. The method `getWriter` returns an object of type `PrintWriter`. This class has `println` methods to generate output. Which of these classes define the `getWriter` method?

Answers

1. `HttpServletRequest`
2. `HttpServletResponse`
3. `ServletConfig`
4. `ServletContext`

5. In which file database table configuration is stored?

Answers

1. `.dbm`
2. `.hbm`
3. `.ora`
4. `.sql`

6. How can we get context init parameter and run some code before rest of the application can service a client?

Answers

1. ServletContextAttributeListener
2. ServletContextListener
3. HttpSessionListener
4. All of these

7. Suppose you want to know each time request comes in, so that you can log it. Which listener is appropriate for that?

Answers

1. ServletContextAttributeListener
2. ServletContextListener
3. HttpSessionListener
4. All of these

8. Suppose you want to know each time request comes in, so that you can log it. Which listener is appropriate for that?

Answers

1. ServletRequestListener
2. ServletRequestAttributeListener
3. ServletContextListener
4. HttpRequestListener

9. In which of these getAttribute() and setAttribute() method has defined?

Answers

1. HttpSession
2. ServletRequest
3. ServletContext
4. All of these

10. Which of the following are the valid scopes in JSP?

Answers

1. request, page, context, application
2. response, page, session, application
3. request, page, session, global
4. request, page, session, application

11. Which of the following method can be used to used to instantiate a method?

Answers

1. static factory method
2. default-init method
3. destroy method
4. lazy-init method

12. What is the default scope of the beans?

Answers

1. Prototype
2. session
3. Request
4. Singleton

13. Which Standard tag is used store data in the JavaBeans instance?

Answers

1. <jsp:useBean>
2. <jsp:setBean>
3. <jsp:set>
4. <jsp:setProperty>

14. Which driver converts JDBC calls directly into the vendor-specific database protocol?

Answers

1. Native-API driver
2. Network Protocol driver
3. Thin driver
4. None of the above

15. Which interface provides methods to execute queries with the database?

Answers

1. Connection interface
2. Statement interface
3. ResultSet interface
4. None of the above

16. What are the method of Methods of PreparedStatement interface?

Answers

1. public void setInt()
2. public void setDouble()
3. public ResultSet executeQuery()
4. public void setFloat()

17. Which of the following are tags of hibernate.cfg.xml?

Answers

1. SQL variant to generate
2. DTD
3. JDBC connection
4. All of the options

18. In the elements of Hibernate architecture is a factory of session and client of ConnectionProvider, It holds the second level cache (optional) of data is ____.

Answers

1. Session
2. ConnectionProvider
3. Transaction
4. SessionFactory

19. What is dirty checking in Hibernate?

Answers

1. object state changes in order to synchronize the updated state with the database
2. remove the dirty data from database.
3. check the data when insert into database.
4. None

20. Which of the following element is used to represent one-to-one relationship in hibernate?

Answers

1. many-to-one
2. many-one
3. ManyToOne
4. None of the above

21. Which ways are used by the Log4j and Logback frameworks in hibernate framework to support logging?

Answers

1. By log4j.xml file
2. By log4j.properties
3. Both of above
4. None of the above

22. Which of these simplifies an Object Relational Mapping tool?

Answers

1. Data creation
2. Data manipulation
3. Data access
4. All mentioned above

23. org.hibernate.SessionFactory can manage contextual sessions and allows to retrieve them by:-

Answers

1. getSession() method
2. getCurrent() method
3. getCurrentSession() method
4. None of the above

24. What is no mode of autowiring?

Answers

1. Autowiring by property name.
2. Similar to byType, but type applies to constructor arguments.
3. Default setting which means no autowiring and you should use explicit bean reference for wiring.
4. Spring first tries to wire using autowire by constructor, if it does not work, Spring tries to autowire by byType.

25. Which is not DI?

Answers

1. Setter Based DI
2. Auto-wiring DI
3. Both of the above
4. None of the above.

26. Which of the following is not a state of object in Hibernate?

Answers

1. Attached
2. Detached
3. Persistent
4. Transient

27. Which is not application context?

Answers

1. ClassPathXmlApplicationContext
2. AnnotationApplicationContext
3. WebApplicationContext
4. WebPathXmlApplicationContext

28. Which is Stereo Type Annotations?

Answers

1. @Autowired
2. @Controller
3. @PreDestroy
4. @Qualifier

29. What is Spring MVC framework?

Answers

1. Spring MVC framework is Model-Value-Class architecture and used to bind model data with values.
2. The Spring web MVC framework provides model-view-controller architecture and ready components that can be used to develop flexible and loosely coupled web applications.
3. Spring MVC framework is used for Transaction management for Web Applications.
4. Spring MVC framework is used for AOP for Web Applications.

30. How to handle shut down of IoC container?

Answers

1. Using shutdownHook()
2. Using shutdownHandler()
3. Using registerHook()
4. Using registerShutdownHook()

31. What is @Controller annotation?

Answers

1. The @Controller annotation indicates that a particular class serves the role of a controller.
2. The @Controller annotation indicates how to control the transaction management.
3. The @Controller annotation indicates how to control the dependency injection.
4. The @Controller annotation indicates how to control the aspect programming.

32. Which of the following is correct about messaging in RESTful web services?

Answers

1. A client sends a message in form of a HTTP Request and server responds in form of a HTTP Response.
2. These messages contain message data and metadata i.e. information about message itself.
3. Both of the above
4. None of the above.

33. Spring provides a factory that can export beans annotated with:-

Answers

1. javax.jws.WebService
2. javax.jws.WebServiceProvider
3. all of the mentioned
4. none of the mentioned

34. Factory to use our Spring bean as the implementation:-

Answers

1. jaxws:end
2. jaxws:endpoint
3. all of the mentioned
4. none of the mentioned

35. Isolation Levels Supported by Spring:-

Answers

1. DEFAULT
2. READ COMMITTED
3. READ UNCOMMITTED
4. All of the mentioned

36. Which of the following method can be used to used to instantiate a method?

Answers

1. static factory method
2. default-init method
3. destroy method
4. lazy-init method

37. Which method is used to save or update the state of the given instance from the underlying database?

Answers

1. session.update()
2. session.keep()
3. session.saveOrUpdate()
4. session.Load()

38. What is bean in Spring?

Answers

1. A component
2. An Object
3. A class
4. A container

39. Spring's core transaction management abstraction is based on the interface

Answers

1. TransactionManager
2. PlatformTransactionManager
3. PlatformManager
4. PlatformTransaction

40. Element used to specify access attributes for bean's methods.

Answers

1. security:spring
2. security:intercept-security
3. security:intercept
4. security:protect

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DBT MOCK TEST SEPT-2022 DAC

1. Grant and revoke are statements.

Answers

1. DDL
2. DCL
3. DML
4. TCL

2. Using which language can a user request information from a database?

Answers

1. Relational
2. Structural
3. Compiler
4. Query

3. Drop Table cannot be used to drop a table referenced by a constraint.

Answers

1. Local Key
2. Primary Key
3. Composite Key
4. Foreign Key

4. _____ specifies a search condition for a group or an aggregate.

Answers

1. GROUP BY Clause
2. HAVING Clause
3. FROM Clause
4. WHERE Clause

5. Which of the following statement is true?

Answers

1. Unique key constrains allow NULL valuse.
2. Unique key constrains do not allow NULL valuse.
3. Primary key constrains allow NULL valuse.
4. A non-unique index cannot be used to enforce a primary key constraint.

6. which is the component of E-R Model?

Answers

1. Entity
2. Attribut
3. Relationship
4. All of the above

7. Is a preferred method for enforcing data integrity

Answers

1. Constraints
2. Stored procedure
3. Triggers
4. Cursors

8. A is used to define overall design of the database

Answers

1. schema
2. application program
3. DML
4. code

9. SQL Server static cursors are always _____ .

Answers

1. Read-only
2. Write-only
3. Read,Write
4. None of the mentioned

10. is the process of organizing data into related tables.

Answers

1. Normalization
2. Generalization
3. Specialization
4. None of the above

11. keyword is used to find the number of values in a column.

Answers

1. TOTAL
2. COUNT
3. ADD
4. SUM

12. Which of the following statement cannot support triggers?

Answers

1. Insert statement
2. Select statement
3. Update statement
4. Delete statement

13. DBMS helps to achieve _____

Answers

1. Data independence
2. Centralized control of data
3. Both of above
4. None of above

14. Which of the following are the five built-in functions provided by SQL?

Answers

1. SUM, AVG, MIN, MAX, MULT
2. COUNT, SUM, AVG, MAX, MIN
3. SUM, AVG, MULT, DIV, MIN
4. SUM, AVG, MIN, MAX, NAME

15. _____ is a special type of integrity constraint that relates two relations & maintains consistency across the relations.

Answers

1. Entity Integrity Constraints
2. Referential Integrity Constraints
3. Domain Integrity Constraints
4. Domain Constraints

16. find all emps whose name contains A twice.

Answers

1. SELECT * FROM emp WHERE ename LIKE '%A%A%';
2. SELECT * FROM emp WHERE ename LIKE '%AA%';
3. SELECT * FROM emp WHERE ename LIKE '%A%';
4. SELECT * FROM emp WHERE ename LIKE 'A%A';

17. Aggregate functions can be used in the select list or the _____ clause of a select statement or subquery. They cannot be used in a _____ clause.

Answers

1. Where, having
2. Having, where
3. Group by, having
4. Group by, where

18. To create a database only if it doesn't already exist, which clause is used?

Answers

1. IF EXISTS
2. IF NOT EXISTS
3. CREATE EXISTS
4. EXISTS IF

19. Which of the following group function ignore NULL values?

Answers

1. COUNT
2. SUM
3. MAX
4. All of the above

20. What does a fully qualified table name consist of?

Answers

1. only the table name
2. only the database name
3. table name followed by database name
4. database name followed by table name

21. point out the correct statement.

Answers

1. Stored procedures assist in achieving consistent implementation of logic across application
2. A stored procedure is a group of Transact-SQL statements compiled into a single execution plan
3. Stored procedure can also improve performance
4. All the above

22. ____ is used to build the code dynamically and execute it.

Answers

1. sp_executesql
2. sp_altermessage
3. sp_addmessage
4. sp_dropmessage

23. The SQL statement that queries or reads data from a table is

Answers

1. SELECT
2. READ
3. QUERY
4. None of the above

24. A _____ index is created based on only one table column.

Answers

1. Implicit
2. Single-column
3. Unique
4. Composite

25. What is true about index?

Answers

1. Indexes are special lookup tables that the database search engine can use to speed up data retrieval.
2. Indexes are special lookup tables that the database search engine can use to speed up data deletion.
3. Indexes can be created or dropped with an effect on the data.
4. An index helps to speed up insert statement.

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

Answers

1. ANY
2. BETWEEN
3. IN
4. ALL

27. A view is actually a?

Answers

1. associated to a table
2. composition of a table
3. decomposition of a table
4. None of the above

28. What is true about view?

Answers

1. Database views are created using the CREATE VIEW statement.
2. To create a view, a user must have the appropriate system privilege according to the specific implementation.
3. Both of the above are true
4. All of the above are false

29. In order to undo the work of transaction after last commit which one should be used ?

Answers

1. View
2. Commit
3. Rollback
4. Flashback

30. A represents the number of entities to which another entity can be associated

Answers

1. mapping cardinality
2. table
3. schema
4. information

31. Which of the following statement(s) is TRUE regarding subqueries?

Answers

1. Inner queries in WHERE clause must contain ORDER BY
2. Outer query and inner query can get data from different tables
3. Outer query and inner query must get data from the same table
4. Inner queries cannot contain GROUP BY clause

32. Which of the following statements are TRUE regarding subqueries?

Answers

1. A subquery can retrieve zero or more rows
2. A subquery can appear on either side of a comparison operator
3. There is no limit on the number of subquery levels in the WHERE clause of a SELECT statement
4. First two statements are true

33. Which join refers to join records from the write table that have no matching key in the left table are include in the result set:

Answers

1. Left outer join
2. Right outer join
3. Full outer join
4. Half outer join

34. A _____ is a property of the entire relation, rather than of the individual tuples in which each tuple is unique

Answers

1. Fields
2. Rows
3. Attribute
4. Key

35. Which of the following statements is NOT true for views in SQL?

Answers

1. Select statement used in the view definition cannot include ORDER BY clause.
2. A view drives its data from the base tables(s)
3. A view is updatable if it has been defined from a single relation
4. A view contains a copy of the data

36. Which of the following ways below are the correct way to get the current date?

Answers

1. SELECT CURTIME();
2. SLELCT CURRRRENT_TIME()
3. SELECT CURDATE();
4. All of the above

37. Purpose of DDL Trigger is to :

Answers

1. Perform administrative tasks
2. Audit
3. Regulating database operations.
4. All of the mentioned

38. Which of the following are the properties of entities?

Answers

1. Groups
2. Table
3. Attributes
4. Switchboards

39. _____ is a full form of SQL.

Answers

1. Standard query language
2. Sequential query language
3. Structured query language
4. Server side query language

40. Which of the following statement is correct regarding the difference between TRUNCATE, DELETE and DROP command?

I. DELETE operation can be rolled back but TRUNCATE and DROP operations cannot be rolled back.

II. TRUNCATE and DROP operations can be rolled back but DELETE operations cannot be rolled back.

III. DELETE is an example of DML, but TRUNCATE and DROP are examples of DDL.

IV. All are an example of DDL.

Answers

1. I and III

2. II and III

3. II and IV

4. I and IV

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SDM MOCK TEST SEPT-2022 DAC

1. SDLC model selection is based on

Answers

1. Project type and associated risk
2. Development team & Users
3. Requirements
4. All of the mentioned

2. Which of the following is correct about Agile Disadvantage?

Answers

1. Not suitable for handling complex dependencies.
2. More risk of sustainability, maintainability and extensibility
3. Both A and B
4. None of the above

3. Git is the same as GitHub.

Answers

1. True
2. False

4. _____ DevOps software that combines the ability to develop, secure, and operate software in a single application.

Answers

1. GitLab
2. SVN
3. Microsoft VSS
4. SourceGear Vault PRO

5. Which one of these statements is true?

Answers

1. git pull does not modify the local branch tip.
2. git fetch does not update the local branch tip.
3. git fetch may result in a merge conflict.
4. Behavior of git fetch and git pull are same

6. Which of the Git repository having hosting functions?

Answers

1. Gitlab
2. Bitbucket
3. SourceForge
4. All of the above

7. Git is capable of automatically merging the changes even if the commits are on same lines in particular file under same branch

Answers

1. True
2. False

8. RAD stands for

Answers

1. Rapid Application Development
2. Required Application Development
3. Rapid Application Developers
4. Rapid Application Disposition

9. Waterfall model is not suitable for:

Answers

1. Small projects
2. Complex projects
3. Accommodating changes
4. Maintenance Projects

10. What is the major drawback of using RAD Model?

Answers

1. Highly specialized & skilled developers/designers are required
2. Increases reusability of components
3. Encourages customer/client feedback
4. Increases reusability of components, Highly specialized & skilled developers/designers are required

11. We classify different objects of the program with the same properties into a class using ____.

Answers

1. Categorization
2. Instantiation
3. Decomposition
4. Generalization

12. Which of the following isn't a goal of NewOps?

Answers

1. Serving as an interface between cloud providers and customers.
2. Integrating different operations teams like storage, network, server etc. by removing silos and be aligned with business
3. By automating operations, remove the need for human competencies.
4. None of these

13. Which of the following model is a software enterprise development phrase used to signify a kind of Agile relationship among development and IT operations.

Answers

1. Waterfall
2. DevOps
3. Agile
4. Incremental

14. What is an Ansible?

Answers

1. Ansible is a Continuous Integration tool
2. Ansible is a Continuous Monitoring tool
3. Ansible is a Configuration Management and Deployment tools
4. Ansible is a Deployment tools

15. What is the need for DevOps?

Answers

1. Increase deployment frequency
2. Lower failure rate of new releases
3. Both A and B
4. None of the above

16. Which of the following software is perfect for software teams in need of advanced agile functionality and structured workflow?

Answers

1. JIRA
2. Visual Studio
3. Eclipse
4. Trello

17. Which of the cloud service models available is used as the foundation upon which operating systems and software are hosted?

Answers

1. SaaS
2. IaaS
3. PaaS
4. CaaS

18. A _____ is a combination of virtual resources that simulates the underlying hardware.

Answers

1. Host machine
2. Host operating system
3. Virtual Machine
4. Guest operating system

19. Cloud Service consists are:

Answers

1. Platform, Hardware, Infrastructure
2. Platform, Software, Infrastructure
3. Software, Infrastructure, Hardware
4. Software, Hardware, Infrastructure

20. Which is not a characteristic of Cloud Computing?

Answers

1. Rapid elasticity
2. Resource pooling
3. On-demand self-service
4. Private hardware centers

21. An Enterprise application runs on Amazon EC2 instances in multiple Availability Zones behind an Application Load Balancer. If one of these instances fails, what occurs?

Answers

1. The load balancer will automatically replace the failed instance.
2. The load balancer will stop sending requests to the failed instance.
3. The load balancer will terminate the failed instance.
4. The load balancer will return 504 Gateway Timeout errors until the instance is replaced.

22. Which of the following command used to find the current logging driver for a running container in Docker?

Answers

1. docker stats
2. docker info
3. docker config
4. docker inspect

23. Is this a type of Linux kernel namespace that provides container isolation?

Answers

1. Yes
2. No

24. _____ is a human-friendly data serialization language for all programming languages.

Answers

1. XAML
2. XML
3. YAML
4. JSON

25. A host machine has four CPUs available and two running containers. The sysadmin would like to assign two CPUs to each container. Which of the following commands achieves this?

Answers

1. Set the '--cpuset-cpu's flag to '1,3' on one container and '2,4' on the other container.
2. Set the '--cpuset-cpus' flag of the 'dockerd' process to the value 'even-spread'
3. Set the '--cpu-quota' flag to '1,3' on one container and '2,4' on the other container.
4. Set the '--cpuset-cpus' flag to '.5' on both containers

26. A user is having problems running Docker. Which of the following will start Docker in debug mode?

Answers

1. Set the debug key to true in the 'daemon.json' file.
2. Start the 'dockerd' process manually with the '--logging' flag set to debug
3. Set the logging key to debug in the 'daemon.json' file.
4. Start the 'dockerd' process manually with the '--raw-logs' flag set to debug

27. _____ character used for comments in YAML

Answers

1. //
2. ' (single quote mark)
3. #
4. --

28. _____ allows one to attach to a container without exiting the container.

Answers

1. nsenter
2. docker run
3. cmdr
4. none of the above

29. dcker run command will download the image (if it is not already present), and run the OS as a container.

Answers

1. TRUE
2. FALSE

30. _____ is helpful when multiple teams are using the same cluster and there is a potential of name collision. It can be as a virtual wall between multiple clusters.

Answers

1. Kubernetes-Pod
2. Kubernetes-Service
3. Kubernetes-Node
4. Kubernetes-Namespace

31. Microservices require a lot of monitoring to operate effectively

Answers

1. True
2. False

32. What is true about distributed tracing used in microservices?

Answers

1. It ensure that failed microservices are resurrected properly
2. It transfer log management between a given host on demand
3. It observe the behavior of distinct system calls between and within microservices
4. It change the behavior of a microservice at runtime

33. What is a microservice?

Answers

1. A design used primarily in functional programming and object-oriented programming
2. A style of design for enterprise systems based on a loosely coupled component architecture
3. A small program that represents discrete logic that executes within a well-defined boundary on dedicated hardware
4. A very small piece of code that never gets any bigger than 10 lines

34. Which plugin is used to run the selenium test cases in Jenkins?

Answers

1. Hudson
2. JUnit
3. Rational Tools
4. NUnit

35. Load testing is carried out to check whether the system can handle the pressure or load of many users is an example of _____

Answers

1. Functional
2. Non-functional testing
3. Unit Testing
4. All of the above

36. _____ is now one of the most widely used software development processes.

Answers

1. V Model
2. Waterfall STLC model
3. Both A and B
4. None of the above

37. When to Use The V Model?

Answers

1. If the requirement is well defined and not ambiguous
2. If acceptance criteria are well defined.
3. If technology and tools used are not dynamic.
4. All of the above

38. Which of the following approach towards testing includes trial techniques and error guessing method because tester does not need knowledge of internal coding of the software?

Answers

1. White Box Testing
2. Grey Box Testing
3. Black Box Testing
4. Red Box Testing

39. In Jenkins, a _____ is a collection of events or jobs which are interlinked with one another in a sequence.

Answers

1. pipeline
2. configuration
3. user
4. None of the above

40. Find the correct sequence used in Jenkins for a continuous delivery pipeline.

Answers

1. build, deploy, release and test
2. build, deploy, test and release
3. build, test, deploy and release
4. test, build, deploy and release

WPT MOCK EXAM SEPT-2022 DAC

1. In HTML tables we can use _____ properties for adding styles

Answers

1. php
2. jQuery
3. css
4. java

2. Element is design to wrap a single piece of information

Answers

1. <nav>
2. <time>
3. <footer>
4. <header>

3. In HTML5, it is possible to validate entered data by setting the _____ attribute for a form control.

Answers

1. allow
2. validate
3. restrict
4. required

4. An internal style sheet should be used when a single document has a

Answers

1. Unique style
2. Common style
3. Both of the above
4. None of the above

5. In JavaScript which of the following is not a data type

Answers

1. Boolean
2. Number
3. Undefined
4. Float

6. IN JS, a function name becomes optional when ____

Answers

1. The function is predefined
2. The function is defined as a looping statement
3. The function is defined as expressions
4. All of the above

7. Find correct output of below snippet

```
Int x=8;
if(x>9) {
    document.write(9);
} else {
    document.write(x);
}
```

Answers

1. 8
2. 9
3. 0
4. Undefined

8. Which is the correct value calling a JavaScript code?

Answers

1. RMI
2. Triggering Event
3. Function/Method
4. Preprocessor

9. In the HTML DOM (Document Object Model), everything is a ____

Answers

1. Element
2. Atribute
3. Arrays
4. Node

10. When an event occurs when the user clicks on an element is

Answers

1. onchange
2. onclick
3. onblur
4. onkeyup

11. _____ is an inbuilt method in jQuery used to hide the selected element.

Answers

1. hidden()
2. hide()
3. hiden()
4. display(none)

12. Which method is used to make an asynchronous HTTP request?

Answers

1. jQuery.ajaxAsync()
2. jQuery.async()
3. jQuery.ajax()
4. None of the above

13. Which of the following is not the Fed method in jQuery

Answers

1. fadeTo()
2. fedIn()
3. fadeOut()
4. fadeOn()

14. To write "hello world" what is the correct JavaScript syntax

Answers

1. document.write("hello world")
2. response.write("hello world")
3. ("hello world")
4. None of the above

15. AJAX and jQuery

Answers

1. With jQuery AJAX, you can request TXT, HTML, XML or JSON data from a remote server using both HTTP Get and HTTP Post
2. jQuery provides a rich set of methods (functions) for AJAX web development
3. AJAX and jQuery are cross-platform (you can develop in Windows and serve on a Unix platform)
4. First two statements

16. Which is the function that calls another function after a time interval

Answers

1. setTimeout()
2. setTime()
3. timeSet()
4. callAfter()

17. In the below notation, the employee is of type {"Employee": ["Amy", "Bob", "John"]}

Answers

1. Not a valid Json string
2. Array
3. Class
4. Object

18. What are the characteristics of Ajax?

Answers

1. Declarative instantiation of client components
2. Live data binding
3. Client-side template rendering
4. All of the above

19. In modern websites what is the common usage for JSON ?

Answers

1. To store information remotely
2. To send and receive bits of data
3. To store information locally
4. None of the above

20. Which of the following is false about AJAX?

Answers

1. AJAX IS Asystematic Javascript and XML
2. Update a web page without reloading the page
3. Request and Recieve data from a server - after the page has loaded
4. Send data to a server - in the background

21. AJAX allows a web page to dynamically

Answers

1. Control other pages
2. Change content
3. Reload at times
4. Connect to other addresses

22. Which of the following command will show the version of Node?

Answers

1. \$ npm --version
2. \$ npm getVersion
3. \$ node --version
4. \$ node getVersion

23. Which statement executes the code sample.js file

Answers

1. Nodejs sample.js
2. Node sample.js
3. sample.js
4. None of the above

24. To install node.js express module

Answers

1. `$ npm install express`
2. `$ node install express`
3. `$ install express`
4. None of the above

25. Which of the following is true about RESTful web services?

Answers

1. Web services based on REST architecture are known as RESTful web services
2. Web services uses HTTP methods to implement the concept of REST architecture
3. Both of the above
4. None of the above

26. Which of the following tool automates various tasks of Node.js application?

Answers

1. Express.js
2. GruntJS
3. NPM
4. None of the above

27. Which of the following types of applications can be built using Node.js?

Answers

1. Web Application
2. Chat Application
3. RESTful Service
4. All of the above

28. Something that happened in our application that we can respond to.

Answers

1. events
2. actions
3. procedures
4. callback

29. What is Callback in NodeJS?

Answers

1. The callback is an asynchronous equivalent for a function.
2. The callback is a technique in which a method calls back the caller method.
3. Both of the above
4. None of the above

30. In NodeJS what is REPL?

Answers

1. Print
2. Loop
3. Eval
4. All of the above

31. What is the full form of NPM?

Answers

1. Node Project Manager
2. Node Package Manager
3. New Project Manager
4. Nodes Packages Manager

32. What is the default scope in the Node.js application?

Answers

1. Global
2. Global Function
3. Local
4. Local to object

33. Third-party packages can be install/update/delete using _____

Answers

1. Node Package Manager
2. Node.exe
3. module.exports
4. REPL

34. What is the purpose of the Node object property ownerDocument?

Answers

1. Returns the immediate node
2. Returns the parent node
3. Returns the root element
4. Returns the last element

36. What is the children prompt?

Answers

1. A property that adds children components to state
2. A property that lets you pass components as data to other components
3. A property that lets you set an array as a property
4. A property that lets you pass data to child elements

37. Consider the following code from React Route, What do you call :id in the path prop?

```
<Route path="/:id" />
```

Answers

1. This is a route modal
2. This is a route parameter
3. This is a route splitter
4. This is a route link

38. What is sent to an Array.map() function?

Answers

1. What string describing what the function should do
2. The name of another array to iterate over
3. The number of times you want to called a function
4. A callback function that is called once for each element in the array

39. Why might you use useReducer over useState in React component?

Answers

1. When you need to manage more complex state in an app
2. When you want to replace redux
3. When you want to improve performance
4. When you want to break your production app

40. What do you call a React component that catches JavaScript errors anywhere in the child component tree?

Answers

1. error bosses
2. error catchers
3. error helpers
4. error boundaries

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MS.NET MOCK TEST SEPT-2022 DAC

1. Which of the following are valid .NET CLR JIT performance counters?

- 1.Total memory used for JIT compilation
- 2.Average memory used for JIT compilation
- 3.Number of methods that failed to compile with the standard JIT
- 4.Percentage of processor time spent performing JIT compilation
- 5.Percentage of memory currently dedicated for JIT compilation

Answers

1. A. 1, 5
2. B. 3, 4
3. C. 1, 2
4. D. 4, 5

2. Which of the following .NET components can be used to remove unused references from the managed heap?

Answers

1. Common Language Infrastructure
2. CLR
3. Garbage Collector
4. Class Loader
5. CTS

3. There are the following Jobs given below, which of them are done by Common Language Runtime?

1. CLR provides garbage collection.
2. CLR enforces type safety strictly.
3. CLR provides memory and thread management.
4. CLR provides Code Access Security.

Answers

1. A. A, B
2. B. C, D
3. C. All (A, B, C, D)
4. D. None of these

4. There are the following assemblies given below, which of them can be stored in GAC (Global Assembly Cache)?

Answers

1. A. Public Assembly
2. B. Private Assembly
3. C. Protected Assembly
4. D. Shared Assembly
5. E. Friend Assembly

5. Which of the following statements is correct about Managed Code?

Answers

1. A. Managed code is the code that is compiled by the JIT compilers
2. B. Managed code is the code where resources are Garbage Collected.
3. C. Managed code is the code that runs on top of Windows.
4. D. Managed code is the code that is written to target the services of the CLR.

6. Which of the following statements is correct?

Answers

1. A constructor can be used to set default values and limit instantiation.
2. Destructors are used with classes as well as structures.
3. A class can have more than one destructor.
4. All of the above.

7. How many times can a constructor be called during lifetime of the object?

Answers

1. As many times as we call it.
2. Only once.
3. Depends upon a Project Setting made in Visual Studio.NET.
4. Any number of times before the object gets garbage collected.

8. The variables in ____access means they are accessible only from within their declaration context, including any nested procedures.

Answers

1. A. Protected
2. B. Friend
3. C. Protected Friend
4. D. Private

9. Boxing converts a value type on the stack to an _____ on the heap.

Answers

1. A. Bool type
2. B. Instance type
3. C. Class type
4. D. Object type

10. C# has _____ operator, useful for making two way decisions.

Answers

1. A. Looping
2. B. Functional
3. C. Exponential
4. D. Conditional

11. We use _____ to fully abstract a class from its implementation.

Answers

1. A. Interfaces
2. B. Objects
3. C. Packages
4. D. Function Definitions

12. What is the full form of LINQ?

Answers

1. A. Local Integration Query
2. B. Language Integrated Query
3. C. Language Included Query
4. D. None of the above

13. The default scope for the members of an interface is _____.

Answers

1. A. private
2. B. public
3. C. protected
4. D. internal

14. Which among the given classes is present in System.Collection.Generic namespace?

Answers

1. A. Stack
2. B. Tree
3. C. Sorted Array
4. D. All of the mentioned

15.represents the ordered collection of an object that can be indexed individually.

Answers

1. A. ArrayList
2. B. BitArray
3. C. Stack
4. D. SortedList

16. The ... method removes the element with the specified key from the Hashtable.

Answers

1. A. public virtual void Remove();
2. B. public virtual void Remove(object key);
3. C. public virtual void Clear(object key);
4. D. public virtual void Delete(object key);

17. To generate a simple notification for an object in runtime, the programming construct to be used for implementing this idea?

Answers

1. A. namespace
2. B. interface
3. C. delegate
4. D. attribute

18. What is the value returned by function compareTo() if the invoking string is less than the string compared?

Answers

1. A. Zero
2. B. A value of less than zero
3. C. A value greater than zero
4. D. None of the mentioned

19. Choose the incorrect statement about delegates?

Answers

1. A. delegates are not type safe
2. B. delegates can be used to implement callback notification
3. C. delegate is a user defined type
4. D. delegates permits execution of a method in an asynchronous manner

20. Which of the following is NOT an Arithmetic operator in C#.NET?

Answers

1. A. **
2. B. /
3. C. +
4. D. %

21. The exception classes in C# are mainly directly or indirectly derived from the ____?

Answers

1. A. System.Exception class
2. B. Exception class
3. C. System.ApplicationException class
4. D. ApplicationException class

22. Which of the following should never be thrown from code?

Answers

1. A. Predefined Exception
2. B. ApplicationException
3. C. Custom Exception
4. D. All of the above

23. Assume 2 columns named as Product and Category how can be both sorted out based on first by category and then by product name?

Answers

1. A. var sortedProds = _db.Products.OrderBy(c => c.Category)
2. B. var sortedProds = _db.Products.OrderBy(c => c.Category) + ThenBy(n => n.Name)
3. C. var sortedProds = _db.Products.OrderBy(c => c.Category) . ThenBy(n => n.Name)
4. D. all of the mentioned

24. Choose the wrong statement about the LINQ?

Answers

1. A. The main concept behind the linq is query
2. B. linq makes use of foreach loop to execute the query
3. C. It is not required that linq should make use of IEnumerable interface
4. D. None of the mentioned

25. Which feature enables to obtain information about the use and capabilities of types at runtime?

Answers

1. A. Runtime type ID
2. B. Reflection
3. C. Attributes
4. D. None of the mentioned

26. What does the following property signify?

MemberTypes MemberType

Answers

1. A. Helps in distinguishing kinds of members
2. B. Property helps in determining if member is a field, method, property or event
3. C. Both a & b
4. D. None of the mentioned

27. What are the classes used in System.Threading Namespace ?

Answers

1. A. Thread
2. B. Thread Pool
3. C. Monitor
4. D. All Of The Above

28. What are the methods used in thread class?

Answers

1. A. Join
2. B. Resume
3. C. sleep
4. D. SpinWait
5. E. ALL OF THE ABOVE

29. Which Namespaces are required to Data Annotation using MVC?

Answers

1. A. System.ComponentModel.DataAnnotations
2. B. System.ComponentModel
3. C. Both A and B
4. D. None of these

30. Choose the return types of a controller action method?

Answers

1. A. ViewResult
2. B. JavaScriptResult
3. C. RedirectResult
4. D. All of the above

31. Can we do validation in MVC using data annotations?

Answers

1. A. Yes
2. B. No

32. What is true about ViewBag in mvc?

Answers

1. A. It is used to transfer temporary data from the controller to the view.
2. B. ViewBag only transfers data from controller to view
3. C. ViewBag values will be null if redirection occurs.
4. D. All of the above

33. What is RouteConfig.cs in ASP.Net MVC?

Answers

1. A. RouteConfig.cs is used to register MVC config statements, route config.
2. B. RouteConfig.css is used to register global MVC bundles.
3. C. None
4. D. ALL OF THE ABOVE

34. What is FilterConfig.cs in ASP.Net MVC ?

Answers

1. A. FilterConfig.cs is used to register global MVC filters, HandleErrorAttribute is registered by default filter. We can also register other filters.
2. B. FilterConfig.cs is used to register global MVC bundles.
3. C. None
4. D. All

35. Which attribute is used to define a service class in WCF?

Answers

1. A. Service
2. B. WCFService
3. C. ServiceContract
4. D. None of the above

36. WCF is a part of .Net Framework

Answers

1. A. 1.0
2. B. 2.0
3. C. 2.5
4. D. 3.0 and above

37. WCF protocol used to support platform independent communication

Answers

1. A. REST
2. B. HTTP
3. C. SOAP
4. D. None of the Above

38. Entity Framework is an open-source Object-Relational Mapper (ORM)

Answers

1. A. TRUE
2. B. FALSE

39. Which object contains the Position property of the current record in a dataset?

Answers

1. A. BindingContext
2. B. BindingData
3. C. DataBinding
4. D. DataBound

40. What are the Command Object Methods?

Answers

1. A. ExecuteNonQuery
2. B. ExecuteReader
3. C. ExecuteScalar
4. D. All of the above.

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1. Identify the incorrect statement about compilation and execution of java programs

Answers

1. javac helps in compiling the java program and creates the .class files
2. java runs the programs using the bytecode in .class files
3. java runs the programs using the source code in .java files *****
4. javac is in the JDK package and java is in the JRE package

2. What command is used to save the standard output in a file, as well as display it on the terminal?

Answers

1. tee*****
2. grep
3. cat
4. more

3. Which command is used to change the I/O characteristics of the terminal?

Answers

1. ctty
2. pty
3. stty*****
4. tty

4. Which Linux command list the content of all sub directory?

Answers

1. ls ~
2. ls * /*****
3. ls /
4. ls ../

5. What will be the output of the following Java code?

```
1. class array_output
2. {
3.     public static void main(String args[])
4.     {
5.         int array_variable[][] = {{ 1, 2, 3}, { 4 , 5, 6}, { 7, 8, 9}};
6.         int sum = 0;
7.         for (int i = 0; i < 3; ++i)
8.             for (int j = 0; j < 3 ; ++j)
9.                 sum = sum + array_variable[i][j];
10.        System.out.print(sum / 5);
11.    }
12. }
```

Answers

1. 8
2. 9*****
3. 10
4. 11

6. How many constructors in the String class?

Answers

1. 1
2. 2
3. 13*****

4. 11

7. What will be the output of below statements?

```
String s = "Java String Quiz";  
System.out.println(s.charAt(s.toUpperCase().length()));
```

Answers

1. Convert "Z" to int 90 and prints "90"
2. Runtime Exception*****
3. Prints "Z"
4. Prints "Z"

8. What will be the output of the following class?

```
class C  
{  
    public static void main(String[] args)  
    {  
        String s1 = "Hello";  
        String s2="India";  
        String s3=s1+s2;  
        String s4=s1.concat(s2);  
        System.out.println(s3==s4);  
        System.out.println(s3.equals(s4));  
    }  
}
```

Answers

1. true, true
2. true, false
3. false, true*****
4. false, false

9. Which component is responsible for optimizing byte-codes?

Answers

1. JVM
2. JDK
3. JIT*****
4. JRE

10. Which of these cannot be declared static?

Answers

1. class
2. object*****
3. variable
4. method

11. Which of the following statements are incorrect?

Answers

1. static methods can call other static methods only
2. static methods must only access static data
3. static methods can not refer to this or super in any way
4. when object of class is declared, each object contains its own copy of static variables *****

12. What will be the output of the following Java program?

```
1. class access
2. {
3.     public int x;
4.     static int y;
5.     void cal(int a, int b)
6.     {
7.         x += a ;
8.         y += b;
9.     }
10. }
11. class static_specifier
12. {
13.     public static void main(String args[])
14.     {
15.         access obj1 = new access();
16.         access obj2 = new access();
17.         obj1.x = 0;
18.         obj1.y = 0;
19.         obj1.cal(1, 2);
20.         obj2.x = 0;
21.         obj2.cal(2, 3);
22.         System.out.println(obj1.x + " " + obj2.y);
23.     }
24. }
```

Answers

1. 1 2
2. 2 3
3. 3 2
4. 1 5 *****

13. When invoking a method with an object argument, _____ is passed.

Answers

1. The contents of the object
2. a copy of the object
3. the reference of the object*****
4. the object is copied, then the reference of the copied object

14. Choose the correct answer.

Answers

1. Recursion is always better than iteration.
2. Recursion uses more memory compared to iteration.*****
3. Recursion uses less memory compared to iteration.
4. Iterative function is always better and simpler to write than recursion.

15. What will be the output of the following program?

```
class RecursiveFor
{
    public static void main(String[] args)
    {
        int out = 15;
        for (int i = 4; i < 6; i++)
```

```

{
    for (int j = 7; j >= 5; j--)
    {
        if (i == j) continue;
        if (i > j)
        {
            out += main(i, j);
        }
        else
        {
            out += main(j, i);
        }
    }
}
System.out.println("out = " + out);
}

```

```

private static int main(int a, int b)
{
    if (a + b == 0)
    {
        return 2;
    }
    return a + main(a - 1, b);
}

```

Answers

1. out = 78
2. out = 100 ****
3. out = 80
4. Compilation Error

16. What is the right output of this program ?

```

public class BitwiseNotOperator{
    public static void main(String[] args)
    {
        int i = 50;
        System.out.print(~i);
        System.out.print(",");
        System.out.print(~--i);
        System.out.print(",");
        System.out.print(~++i);
    }
}

```

Answers

1. -50, -49, -50
2. -51, -51, -52
3. -49, -50, -51
4. -51, -50, -51*****

17. The operating system and the other processes are protected from being modified by an already running process because _____

Answers

1. They are in different memory spaces
2. They are in different logical addresses
3. They have a protection algorithm
4. Every address generated by the CPU is being checked against the relocation and limit registers *****

18. Where are placed the list of processes that are prepared to be executed and waiting?

Answers

1. Job queue
2. Ready queue*****
3. Execution queue
4. Process queue

19. By shell into the parameter, __ reads the first argument

Answers

1. \$1*****
2. \$3
3. \$\$
4. 1\$

20. The program is interrupted by _____ command in appropriate way.

Answers

1. kill
2. SIGKILL
3. trap*****
4. INT

21. Which system call can be used by a parent process to determine the termination of child process?

Answers

1. wait()****
2. exit()
3. fork()
4. get()

22. The entry of all the PCBs of the current processes is in _____

Answers

1. Process Register
2. Program Counter
3. Process Table*****
4. Process Unit

23. If one thread opens a file with read privileges then:

Answers

1. other threads in the another process can also read from that file
2. other threads in the same process can also read from that file
3. any other thread can not read from that file*****
4. all of the mentioned

24. A computer system supports 32-bit virtual addresses as well as 32-bit

physical addresses. Since the virtual address space is of the same size as the physical address space, the operating system designers decide to get rid of the virtual memory entirely. Which one of the following is true?

Answers

1. Efficient implementation of multi-user support is no longer possible
2. The processor cache organization can be made more efficient now
3. Hardware support for memory management is no longer needed*****
4. CPU scheduling can be made more efficient now

25. In Process Address Space, The variable names, constants, and instruction labels are the basic elements of _____.

Answers

1. Symbolic addresses*****
2. Relative addresses
3. Physical addresses
4. None of the above

26. In which type of Fragmentation, Memory block assigned to process is bigger. Some portion of memory is left unused, as it cannot be used by another process.

Answers

1. External fragmentation
2. Internal fragmentation***
3. Both of the above
4. None of the above

27. A swapper manipulates _____ whereas the pager is concerned with individual _____ of a process.

Answers

1. the entire process, parts
2. all the pages of a process, segments
3. the entire process, pages***
4. none of the mentioned

28. Segment replacement algorithms are more complex than page replacement algorithms because _____

Answers

1. Segments are better than pages
2. Pages are better than segments
3. Segments have variable sizes***
4. Segments have fixed sizes

29. Command used to check shared memory is

Answers

1. ipcs
2. ipcs -mS***
3. ipcs -s
4. ipcs -q

30. One process requires M resource to complete a job. What should be the

minimum number of resources available for N processes so that at least one process can continue to execute without blocking/waiting?

Answers

1. $M * N$
2. $M * N - 1$
3. $M * N + 1$
4. M^{***}

31. Which of the following are the major disadvantages of requesting all resources while preventing deadlock?

- i) delay process initiation
- ii) future resources requirements must be known
- iii) subject to cyclic restart

Answers

1. i and ii only****
2. ii and iii only
3. i and iii only
4. i, ii and iii

32. Which of the following are the thread synchronization primitives supported by Solaris

- i) Mutual exclusion
- ii) Semaphores
- iii) Signals
- iv) Condition variables

Answers

1. i, ii and iii only
2. ii, iii and iv only
3. i, ii and iv only***
4. All i, ii, iii and iv

33. In which of the following Algorithm where the reference bit is used to determine whether a page has been recently referenced, and some page that has not been recently referenced is replaced?

Answers

1. LRU Page replacement Algorithm
2. FIFO page replacement Algorithm
3. Optimal page replacement algorithm
4. NRU Page replacement algorithm***

34. In which of the following Page replacement Policy, at every page fault the page replacement policy replaces the page that was loaded into memory earlier than any other page of the process?

Answers

1. LRU Page replacement Algorithm
2. FIFO page replacement Algorithm***
3. Optimal page replacement algorithm
4. NRU Page replacement algorithm

35. In UNIX, the set of masked signals can be set or cleared using the _____ function.

Answers

1. sigprocmask***
2. sigmask
3. sigmaskproc
4. sigproc

36. In most cases, if a process is sent a signal while it is executing a system call :

Answers

1. the system call will continue execution and the signal will be ignored completely
2. the system call is interrupted by the signal, and the signal handler comes in
3. the signal has no effect until the system call completes***
4. none of the mentioned

37. Both processes (the parent and the child) continue execution at the instruction after the fork(), with one difference: the return code for the fork() is _____ for the new (child) process, whereas the _____ process identifier of the child is returned to the parent.

Answers

1. Negative integer, Zero
2. Zero, Negative integer
3. Nonzero integer, Zero
4. Zero, nonzero integer****

38. When the operating system has performed a _____ operation, it has two choices for selecting a process either admitting a newly created process or bring in a previously suspended process.

Answers

1. Swapping-in
2. Swapping-out***
3. Blocked-in
4. Blocked-out

39. There are the following statements that are given below, which of them are correct about Regular expressions in the Linux operating system?

- A. The regular expressions are strings that are used for pattern matching in some Linux commands.
- B. The regular expressions are also known as a regex.
- C. The regular expressions use some characters that each has a different meaning.
- D. Regular expressions can only be used in the Linux commands.

Answers

1. A and B
2. C and D
3. A, B, and C***

4. A, B, C, and D

40. Which of the following command is used to display only directories that exist in the current directory?

Answers

1. `ls -l | grep "^d"****`
2. `ls | grep "^d"`
3. `ls -l | grep "#d"`
4. `ls -l | grep "*d"`

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1. Which of these can not be used for a variable name in Java?

Answers

1. identifier
2. keyword***
3. identifier & keyword
4. none of the mentioned

2. Which of the following best defines a class?

Answers

1. Parent of an object
2. Instance of an object
3. Blueprint of an object***
4. Scope of an object

3. Which component is used to compile, debug and execute the java programs?

Answers

1. JRE
2. JIT
3. JDK***
4. JVM

4. predict the output of following java program?

```
class Test
{
    int i;
}
class Main{
    public static void main(String[] args)
    { Test t;
      System.out.println(t.i);
    }
}
```

Answers

1. 0
2. garbage value
3. compiler error***
4. runtime error

5. When Overloading does not occur?

Answers

1. More than one method with same name but different number or type of parameters
2. More than one method with same name but different number of parameter
3. More than one method with same name, same number of parameters but different type of parameters
4. More than one method with same name, same number of parameters and same type of parameters but return type is different***

6. Which concept of Java is achieved by combining methods and attribute into a class?

Answers

1. Encapsulation***
2. Inheritance
3. Polymorphism
4. Abstraction

7. What will be the output of the following program?

```
class Base {  
    final public void show() {  
        System.out.println("Base::show() called");  
    }  
}  
  
class Derived extends Base {  
    public void show() {  
        System.out.println("Derived::show() called");  
    }  
}  
  
class Main {  
    public static void main(String[] args) {  
        Base b = new Derived();  
        b.show();  
    }  
}
```

Answers

1. Base::show() called
2. Derived::show() called
3. Compiler error****
4. Runtime error

8. Which of this keyword can be used in a subclass to call the constructor of superclass?

Answers

1. super***
2. this
3. extent
4. extends

9. Which of these class is superclass of every class in Java?

Answers

1. String class
2. Object class***
3. Abstract class
4. ArrayList class

10. What is upcasting?

Answers

1. Casting subtype to supertype***
2. Casting super type to subtype
3. Casting subtype to super type and vice versa
4. Casting anytype to any other type

11. What will be the output of the following Java code?

```
class conversion
{
    public static void main(String args[])
    {
        double a = 295.04;
        int b = 300;
        byte c = (byte) a;
        byte d = (byte) b;
        System.out.println(c + " " + d);
    }
}
```

Answers

1. 38 43
2. 39 44***
3. 295 300
4. 295.04 300

12. Which of these is a wrapper for data type int?

Answers

1. Integer***
2. Long
3. Byte
4. Double

13. Which method can be defined only once in a program?

Answers

1. main method***
2. finalize method
3. static method
4. private method

14. Which of these class represents mutable character sequence?

Answers

1. String
2. StringBuffer
3. StringBuilder
4. Both StringBuffer and StringBuilder***

15. Which of these method of class String is used to compare two String objects for their equality?

Answers

1. equals()****

2. Equals()
3. isequal()
4. Isequal()

16. Which of these process occur automatically by the java runtime system?

Answers

1. Serialization***
2. Garbage collection
3. File Filtering
4. All of the mentioned

17. Which of the following class we can used to read the data in the form of character from text file?

Answers

1. FileWriter
2. FileReader***
3. FileInputStream
4. FileOutputStream

18. What will be the output of the following Java code?

```
enum Season
{
    WINTER, SPRING, SUMMER, FALL
};
System.out.println(Season.WINTER.ordinal());
```

Answers

1. 0***
2. 1
3. 2
4. 3

19. Which of the following are disadvantages of generics?

Answers

1. Cannot Instantiate Generic Types with Primitive Types
2. Cannot Create Instances of Type Parameters
3. Cannot Overload a Method Where the Formal Parameter Types of Each Overload Erase to the Same Raw Type
4. All of the above***

20. What is the return type of lambda expression?

Answers

1. String
2. Object
3. void
4. Function***

21. While iteration is on and some other thread tries to modify the collection then iterator throws following exception?

Answers

1. ConcurrentModificationException***
2. CollectionModificationException
3. RandomAccessException
4. None of the above

22. Which of these methods can be used to obtain a array from an ArrayList object?

Answers

1. Array()
2. convertArray()
3. toArray()***
4. covertToArray()

23. The accuracy and efficiency of a HashMap can be guaranteed with

Answers

1. override equals method
2. override hashCode method
3. Both of the above***
4. None of the above

24. How to get UTC time?

Answers

1. Time.getUTC();
2. Date.getUTC();
3. Instant.now();***
4. TimeZone.getUTC();

25. What will be the output of following programs?

```
class Base extends Exception {}  
class Derived extends Base {}
```

```
public class Main {  
    public static void main(String args[]) {  
        // some other stuff  
        try {  
            // Some monitored code  
            throw new Derived();  
        }  
        catch(Base b) {  
            System.out.println("Caught base class exception");  
        }  
        catch(Derived d) {  
            System.out.println("Caught derived class exception");  
        }  
    }  
}
```

Answers

1. Caught base class exception
2. Caught derived class exception

- 3. Compiler Error because base class exception is caught before derived class***
- 4. Compiler Error because derived is not throwable

26. What is invalid about java.lang.Error in java?

Answers

- 1. Errors are abnormal conditions in application
- 2. Error indicates some serious problems that our application should not try to catch
- 3. Error is unchecked Exception***
- 4. Error is a subclass of Throwable

27. Which statement is true?

Answers

- 1. catch(X x) can catch subclasses of X where X is a subclass of Exception****
- 2. Any statement that can throw an Exception must be enclosed in a try block
- 3. The Error class is a RuntimeException
- 4. Any statement that can throw an Error must be enclosed in a try block

28. Which of these is an interface for control over serialization and deserialization?

Answers

- 1. Serializable
- 2. Externalizable***
- 3. FileFilter
- 4. ObjectInput

29. Which of these is valid about threads in java?

Answers

- 1. Thread consumes cpu in best possible manner
- 2. Threads enables multi-processing
- 3. Threads can execute any part of process. And same part of process can be executed by multiple Threads.
- 4. All***

30. How can we create Thread?

Answers

- 1. By Extending Thread class
- 2. Implementing Runnable interface
- 3. By using Executor framework - which can internally form threads
- 4. All of the above***

31. The synchronized keyword is applicable for whom?

Answers

- 1. Variables and Methods
- 2. Methods and Classes
- 3. Variables and Classes
- 4. Methods and Blocks***

32. What are green threads in java?

Answers

1. Green threads are user-level threads
2. Green threads are high level threads
3. Green threads are OS level threads
4. None***

33. What are the two types of Streams proposed by Java 8?

Answers

1. Random and synchronized
2. Parallel and random
3. Sequential and random
4. Sequential and parallel***

34. Which of these variables is a static variable defined in Collections?

Answers

1. EMPTY_LIST
2. EMPTY_SET
3. EMPTY_MAP
4. All the answers are true***

35. When does Exceptions in Java arises in code sequence?

Answers

1. Run Time***
2. Can Occur Any Time
3. Compilation Time
4. None of the mentioned

36. What is -Xms and -Xmx while starting jvm?

Answers

1. Initial memory; Maximum memory***
2. Initial memory
3. Maximum memory
4. Maximum; Initial memory

37. What allows the programmer to destroy an object x?

Answers

1. x.delete()
2. x.finalize()
3. Runtime.getRuntime().gc()
4. Only the garbage collection system can destroy an object***

38. Which of these class relies upon its subclasses for complete implementation of its methods?

Answers

1. Object class

- 2. abstract class***
- 3. ArrayList class
- 4. None of the mentioned

39. Which of the following is an incorrect statement about Interface?

Answers

- 1. Interfaces specifies what class must do but not how it does
- 2. Interfaces are specified public if they are to be accessed by any code in the program
- 3. All variables in interface are implicitly final and static
- 4. All variables are abstract and methods are static if interface is defined public***

40. What happens when we access the same variable defined in two interfaces implemented by the same class?

Answers

- 1. Compilation failure
- 2. Runtime Exception
- 3. The JVM is not able to identify the correct variable
- 4. The interfaceName.variableName needs to be defined***

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