Exam : **C9550-512**

Title : IBM Business Process Manager v8.5.7 Application Development using Process Designer
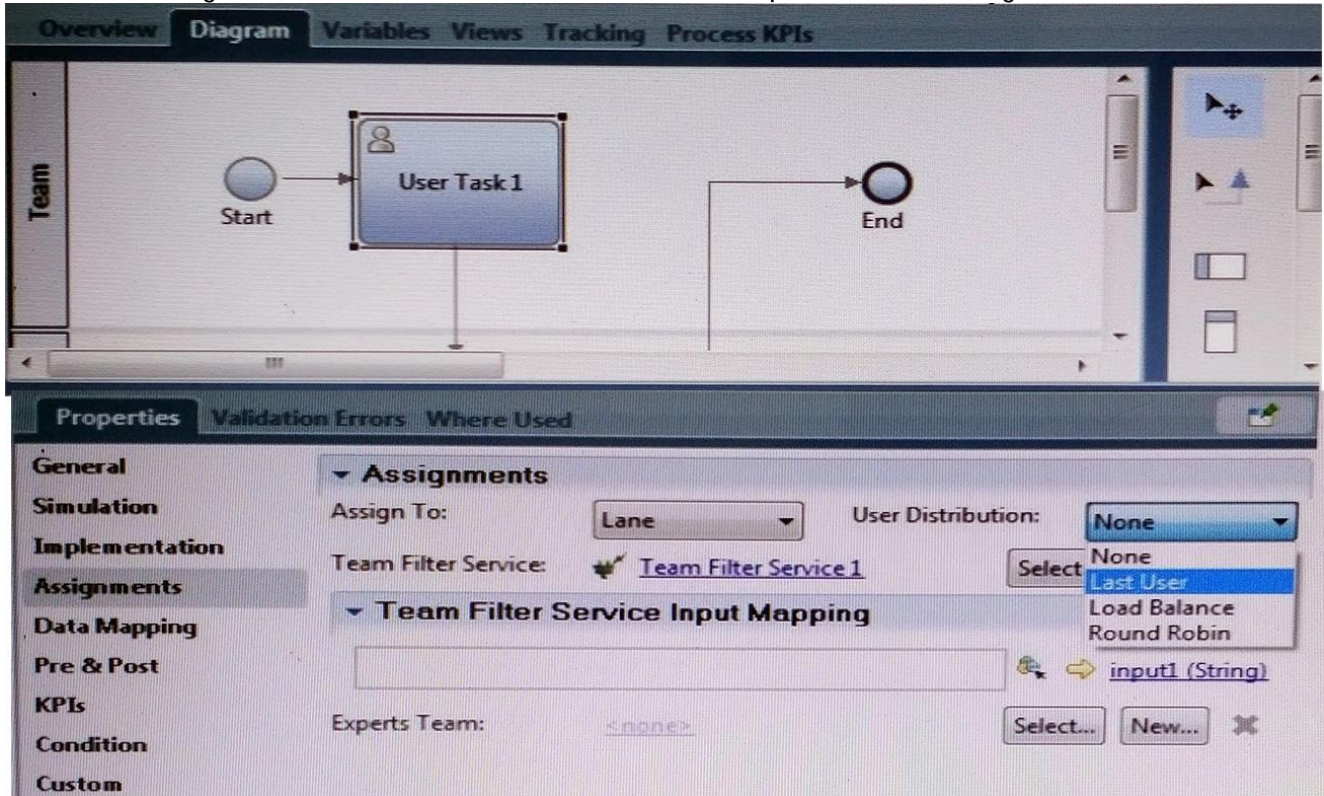
Vendor : IBM

Version : V12.75

NO.1 A BPM developer would make which recommendation to improve application performance?
A. Avoid purging data regularly.
B. Create deploy deeply nested Coach Views.
C. Create large server side JavaScript blocks.
D. Avoid multiple sequential system lane activities.
Answer: D

NO.2 In the diagram below, what needs to be done to complete the task assignment?

A. The Experts Team needs to be selected.
B. The User Distribution needs to be set to Last User.
C. Assign To needs to be set to Team in order to use the Team FilterService.
D. The input variable for the Team Filter Service needs to be mapped to a process variable or a literal.
Answer: B

NO.3 Which statement is true regarding heritage human services?
A. Coach support is not available.
B. Heritage humanservice scripts are run on the server.
C. Theme support is not available in heritage human services.
D. Heritage human services are created and edited in the web Process Designer.
Answer: B

NO.4 What component in IBM Business Process Manager allows a developer to define an Ajax service?
A. Process Designer
B. Process Portal
C. Process Center
D. Process Server

Answer: C

NO.5 When will the value of a variable be changed when using a post assignment in an activity within a process?
A. Immediately after the activity runs
B. Immediately after a variable has been assigned to a user or group
C. Immediately after the activity hasbeen assigned to a user or group
D. Immediately after a coach view in the activity processes a boundary event
Answer: A

NO.6 What is one purpose of Tracking Groups?
A. To group dashboards by user role
B. To track security events withina process
C. To track disk utilization on a process server instance
D. To track process variables for performance monitoring
Answer: D

NO.7 The predefined coach view includes which event handlers?
A. Start, update, validate and end
B. Load, update, validate and unload
C. Load, unload, view, change, and validate.
D. Load, unload, start, update and validate.
Answer: D

NO.8 The IBM Business Process Manager REST API only allows direct invocation of which two types of services? Select two.
A. AJAX
B. Human
C. Integration
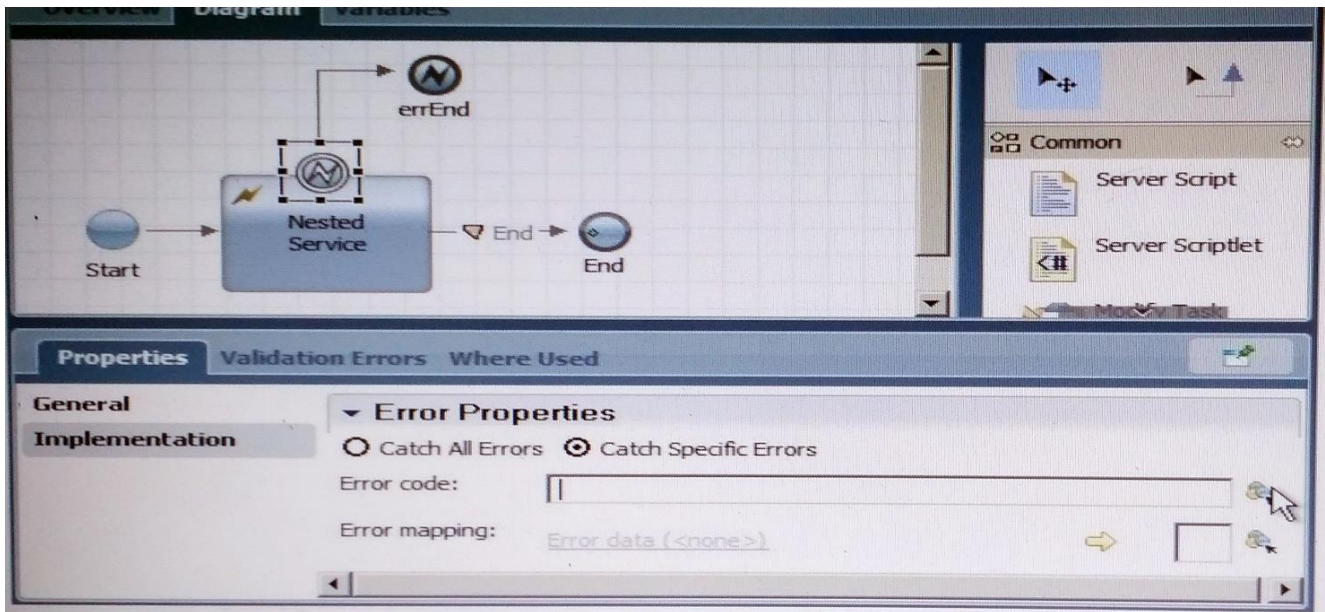**D.** Web Service
E. General system
Answer: A,B
Explanation:
A newlimitation was introduced in IBM BPM V8 that does not allow invocation of services other than human or Ajax via the REST API. Therefore, if you try to invoke an integration service via the REST web client or the Java REST API client, you will get an exception

NO.9 When is it acceptable for any participant groups, process owners and other process stakeholders to be an optional attendee of a playback.
A. When the final playback is held.
B. When additional ITresources need to be included in the playback.
C. When a focused playback is held to provide a deep-dive on a single activity.
D. When the participants have a satisfactory understanding of what will be covered.
Answer: C

NO.10 An error intermediate event has been attached to a nested service to catch specific errors. How does the nested service define the error code thrown?

A. It is defined in an error end event.
B. It is mapped to a variable in the nested service.
C. It is assigned programmatically to tw.error.code.
D. It is assigned programmatically to tw. nestedservice.error.code.
Answer: D

NO.11 When creating a Localization Resource bundle, which option can be changed only using the desktop Process Designer client application?
A. Importing localization bundles
B. Adding keys to a localization bundle
C. Adding values for the different languages
D. Adding locales to the localization resource
Answer: D
Explanation:
http://www.ibm.com/support/knowledgecenter/SSFTDH_8.5.7/com.ibm.wbpm.wle.editor.do
c/topics/create_localiz_res.html

NO.12 Which statement is true when designing user interfaces?
A. Client-side human service can be nested in another client-side human service.
B. Client-side human services can have coaches but heritage human services do not.
C. Client side human services run on the server but display their userinterfaces in a web browser.
D. Client-side human services should be used if the preference is to work in the Process
Designer desktop editor for process application development.
Answer: D

NO.13 A BPM developer is modeling a client-side human service and wants to add JavaScript code to run on the web browser for parsing variables and running programmatic commands. Which option from the client-side human services palette must be selected to add the JavaScript code?
A. Server Script
B. Server Scriptlet
C. Client-Side Script
D. Client-Side Scriptlet

Answer: C

NO.14 Which two library artifacts are required to configure a content start event that reacts to a document uploaded to an external Enterprise Content Management system? Select two.
A. A web service
B. An Ajax service
C. An undercover agent
D. An event subscription
E. An advances integration service
Answer: C,D
Explanation:
http://www.ibm.com/developerworks/bpm/bpmjournal/1312_mcelroy/1312_mcelroy.html

NO.15 Which words should be avoided when naming tracking groups and tracked fields?
A. Upper case
B. Lower case
C. SQL-92 reserved words
D. ISO 9001 reserved words
Answer: C

NO.16 A developer needs to get data on in-flight instances for a process running on IBM Business Process Manager. Which database/schema contains the in-flight instance data?
A. CMNDB
B. PDWDB
C. BPEDB
D. OBSRVDB
Answer: C

NO.17 The Business Action Language (BAL) Rule component provides a rule editor that allows authoring of business rules using which technology?
A. XML or Java
B. General system services
C. Natural language technology
D. JavaScript and AJAX services
Answer: C

NO.18 What is the purpose of an event based undercover agent (UCA) in IBM Business Process Manager?
A. It ensures that timed events are triggering on schedule.
B. It monitors the transfer of tracking events into the Performance Data Warehouse (PDW).
C. It synchronizes shared business objects across one or more Business Process Definitions (BPD's).
D. It calls a service to handle a message event or a content event targeted for a Business Process Definition (BPD).
Answer: D

NO.19 Which statement is true regarding an Event subprocess?
A. It is reusable across Processes.

B. It will be invoked at least once when the parent process terminates.
C. It processes Intermediate Message Events modeled in the parent Process.
D. It must contain a single start event, which can be one of either Timer, Message, or Error.
Answer: D

NO.20 Which playback phase focuses on defining user interfaces?
A. Playback 0
B. Playback 1
C. Playback 2
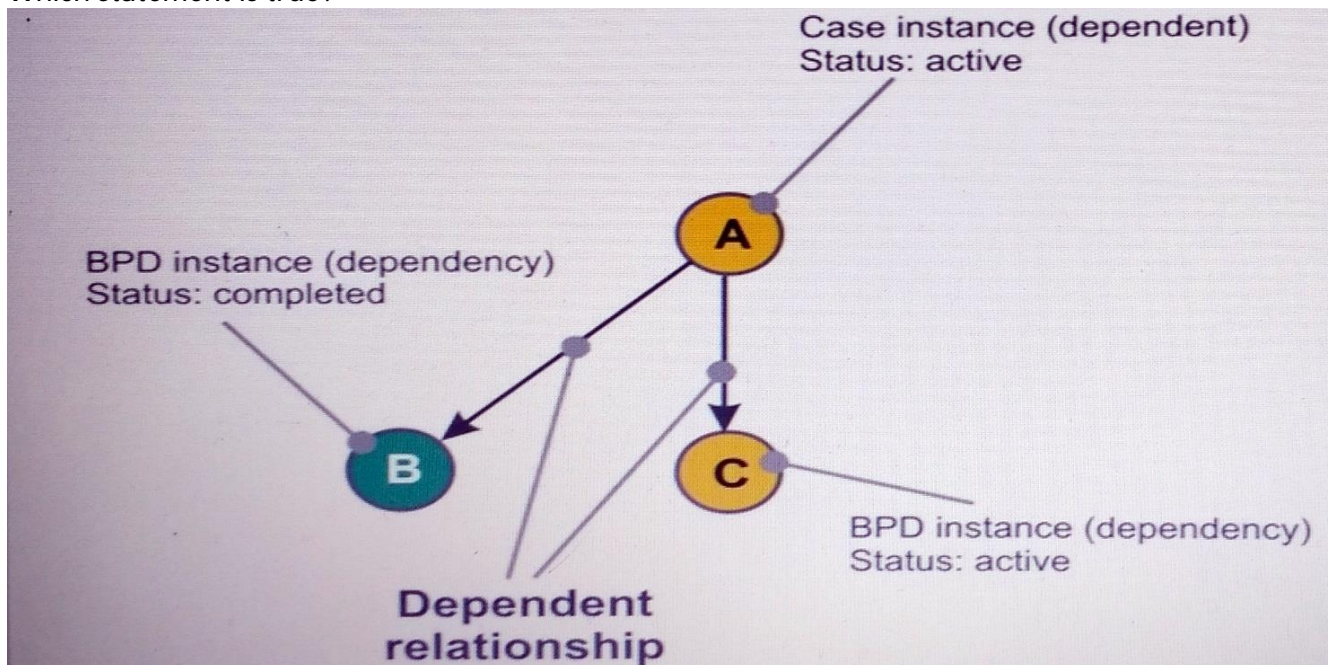**D.** Playback 3
Answer: B

NO.21 What are two aspects that might be impacted by excessive distance between the IBM
Business Process Manager on Cloud data center and an enterprise environment? Select two.
A. Automated backup
B. High availability
C. End user responsiveness
D. Access to administration capabilities
E. Latency for a developer using Process Designer
Answer: C,D

NO.22 The image below shows case instance A which depends on BPD instance B and case instance
C.
Which statement is true?

A. To terminate C, complete A.
B. C cannot complete until A is complete or terminated.
C. If A is terminated forcefully, then C is also terminated.
D. To terminate A, you must be authorized to terminate at least one of its instances.
Answer: B

NO.23 What common standard is used by both the internal IBM Business Process Manager document

store and external Enterprise Content Management servers?

A. Databases

B. Folder structure

C. Application server

D. CMIS-based interfaces

Answer: D

Explanation:

https://www.ibm.com/developerworks/community/files/basic/anonymous/api/library/cfa136f
0 -30c1-4177-9901-62c05d900c5f/document/759d7370-2260-47c3-9f66-
1 7a706030d2c/media

NO.24 Which statement is true about an ad hoc activity?

A. The activity has input wires.

B. The activity mustalways be required.

C. The activity is started according to predefined preconditions.

D. The activity has input and output wires to all other activities on the palette.

Answer: C

NO.25 What are two aspects of defining Business Objects and Variables? Select two.

A. Set variables in pre and post assignments.

B. Improve the behavior of a process model by using JavaScript.

C. Capture the business data that is used by activities in a business process definition.

D. Capture the business data used by steps in services such as integration services or human services.

E. Allow developers to initialize complex variables and all list (arrays) before it can be used in a process or service.
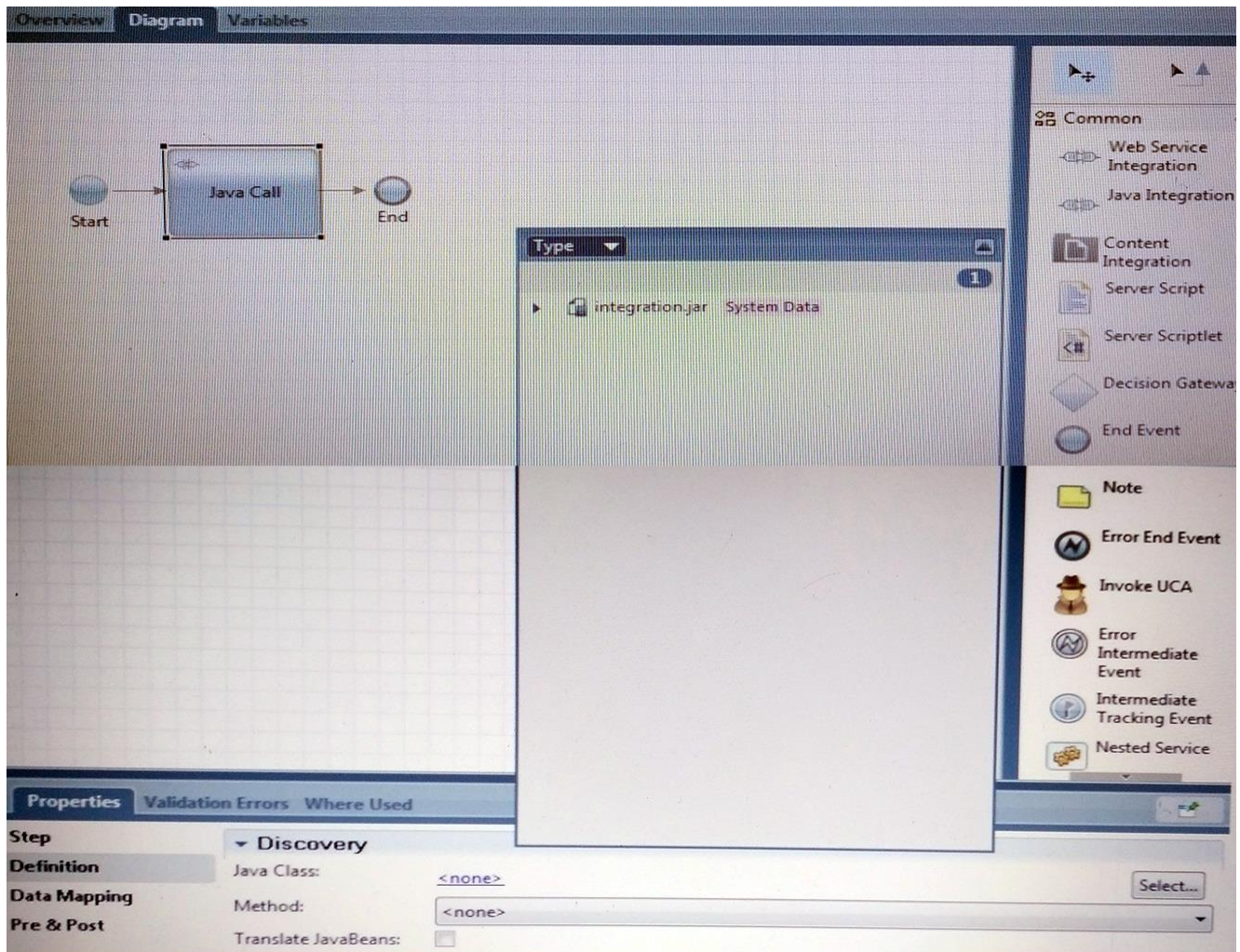
Answer: A,E

NO.26 What utility exists for debugging a Decision Service?

A. The Optimization utility

B. The Decision Servicerule editor

C. The test utilities in Blueworks Live

D. The Inspector perspective and the debugging feature in Process Designer

Answer: D

NO.27 When Developing an Integration Service in Process Designer, a Java class that contains several methods must be used by the Integration Service. When configuring the Java
Integration step, the class and its methods are unable to be referenced as seen in the image below.
What must be done so that the class and its methods will be available in the
Process Designer?

A. The Java class needs tobe added to the integration. jar JAR file on the Process Center server.
B. The JAR file containing the class needs to be added to the CLASSPATH on the Process
Center server.
C. The JAR file containing the class needs to be added into the process app or areferenced toolkit as a
Web file.
D. The JAR file containing the class needs to be added into the process app or referenced toolkit as a
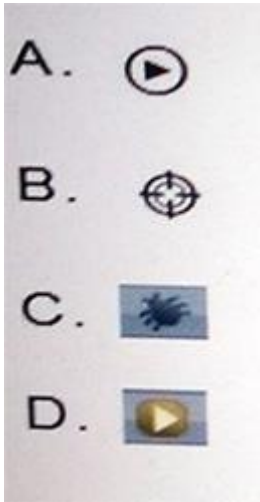Server file.
Answer: D

NO.28 What creating a new toolkit, which attribute is required?
A. Date
B. Acronym
C. Version number
D. Documentation
Answer: C

NO.29 To begin debugging a Client-Side Human Service, which button must be clicked?

A. Option A
B. Option B
C. Option C
D. Option D
Answer: C

NO.30 Which IBM Business Process Manager edition is a developer using if they do a Typical installation to create a stand-alone profile that uses IBM Process Designer?
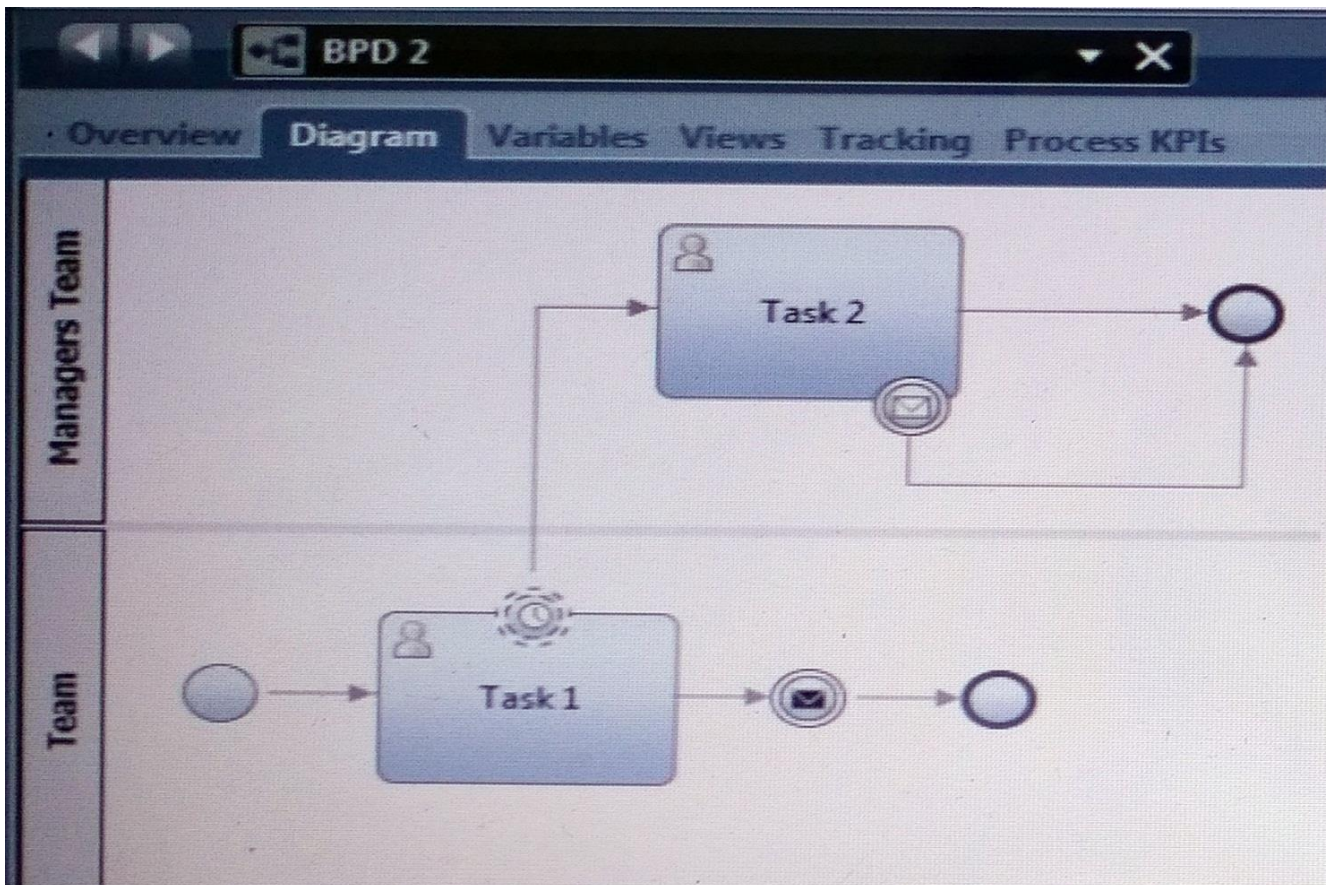**A.** Express
B. Standard
C. Advanced
D. Standard or Advanced
Answer: D

NO.31 Which requirement is the process pattern in the image below fulfilling?

A. When Task1 completes, the managers shall receive a task to audit the outcome of Task
1. If the process receives a termination event, the managers task (Task 2) shall end automatically.
B. A task for the managers (Task 2) shall be assigned 2 minutes after Task 1becomes overdue. When the managers task is complete, the process shall wait for a message from
Task 1 before finishing.
C. 5 minutes after Task 1 starts, the managers shall receive a reminder to check on Task 1.
After Task 1 completes, the process waits onthe completion of the managers task (Task 2) before finishing.
D. When Task 1 becomes overdue, the managers shall receive a task to investigate why
Task 1 is not complete. After Task 1 completes, any outstanding investigation tasks for the managers (Task2) shall be terminated.
Answer: A

NO.32 Which statement is true about an unstructured process?
A. Unstructured processes can include optional ad hoc activities.
B. Unstructured processes must include optional ad hoc activities.
C. An unstructured process has ad hoc activities that are wired.
D. The order in which ad hoc activities are completed is predetermined.
Answer: D

NO.33 What is the standard KPI, that is associated with each BPD by default?
A. Error Ratio
B. Number Of Instances
C. Total Time (Clock Time)
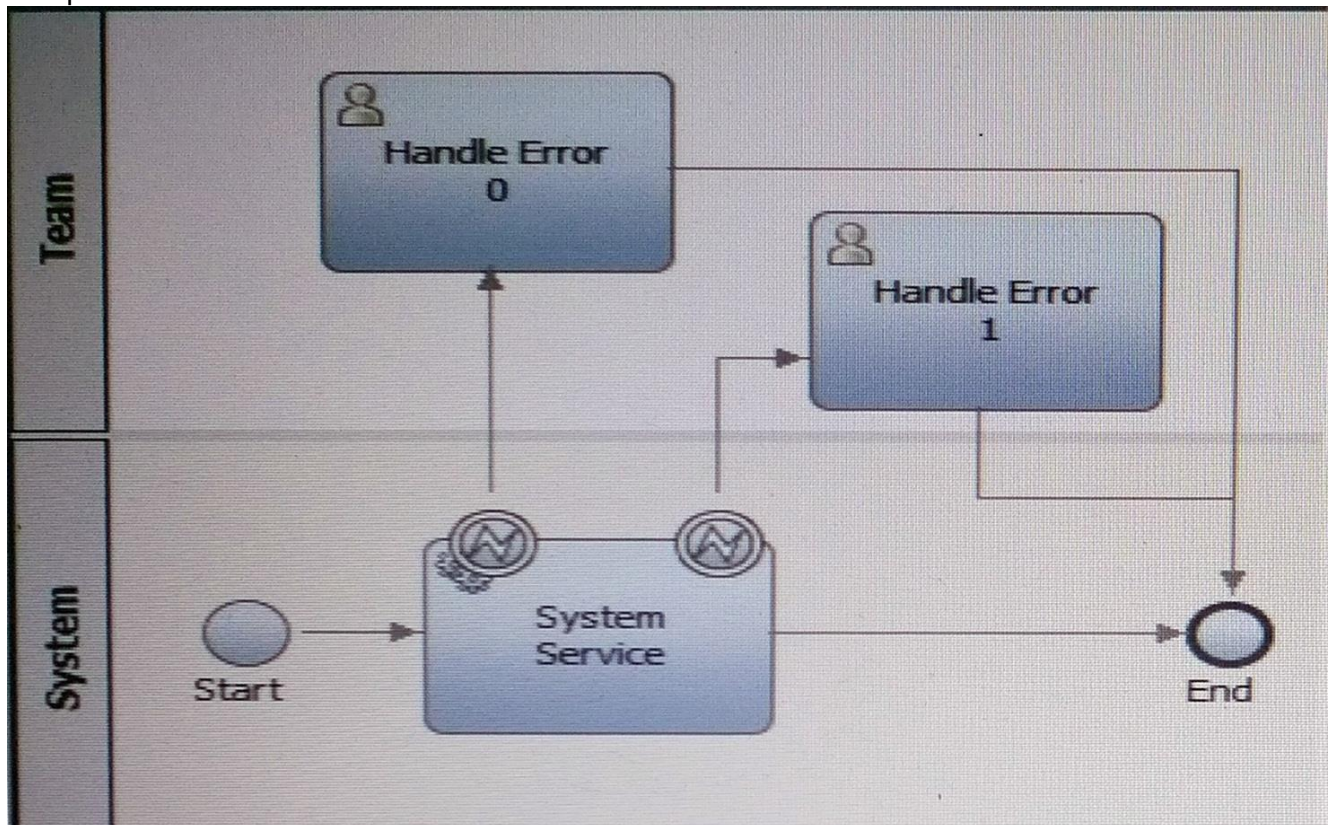**D.** Start Time (Clock Time)

Answer: C

NO.34 Which status is available by default for Process Application snapshots?
A. QA
B. Old
C. New
D. Test
Answer: D

NO.35 In the scope of a process, what javascript object allows retrieval of the XMLElement containing exception details?

A. tw.error
B. tw.error.data
C. tw.system.error
D. tw.system.step.error
Answer: C

NO.36 How can a BPM developer implement the invocation of an Ajax service that has four parameters on a coach?
A. Pass the parameter data as serialized XML using a JavaScript function call.
B. Provide a callback function to send parameter data using a JavaScript function call.
C. Parameter data is passed as either serialized XML or serialized JSON via REST API call.
D. Parameter data is passed as serialized JSON either using a JavaScript function call or a REST APIcall.
Answer: B

NO.37 Why would a developer use JavaScript in business process definitions?

A. It's a way to declare variables to be used.
B. This is the only way to define business objects.
C. To create exposed process values for specific users.
D. To implementcustomized behavior in the process model.
Answer: A

NO.38 Which dashboard in Process Portal is responsive and accessible on multiple devices?
A. Work
B. Processes
C. Team Performance
D. Process Performance
Answer: A

NO.39 Many of the benefits of the IBM Business Process Management process improvement projects rely on an Iterative Development approach to align business and technical stakeholders. What is this approach called?
A. SCRUM
B. Playback
C. Waterfall
D. Extreme Programming
Answer: B

NO.40 What happens when converting BPDs to processes?
A. Subprocesses are not converted.
B. Heritage human servicesand coaches are converted.
C. Linked processes and heritage human services are not converted.
D. References to linked processes and heritage human services need to be recreated.
Answer: C

NO.41 When using web services, what can be done to eliminate the need to define web service details within each web service integration component?
A. Configure WSDL properties for the web service integration.
B. One or more web servers can be added to the process application.
C. Use a Web Service Integration component to invoke a web service that is hosted externally.
D. Use SOAP headers to communicate application-specific context information within SOAP request and response messages.
Answer: A

NO.42 Which statement is true regarding the following method?
TWProcessInstance.getRelatedProcesses (checkAuthorization, statusFilter)
A. The method returns alist of ProcessInstanceID objects.
B. The method returns a list of dependent process instances.
C. One of the valid values of StatusFilter is "Did not Start".
D. The method returns a list of process instances that the current instance depends on.
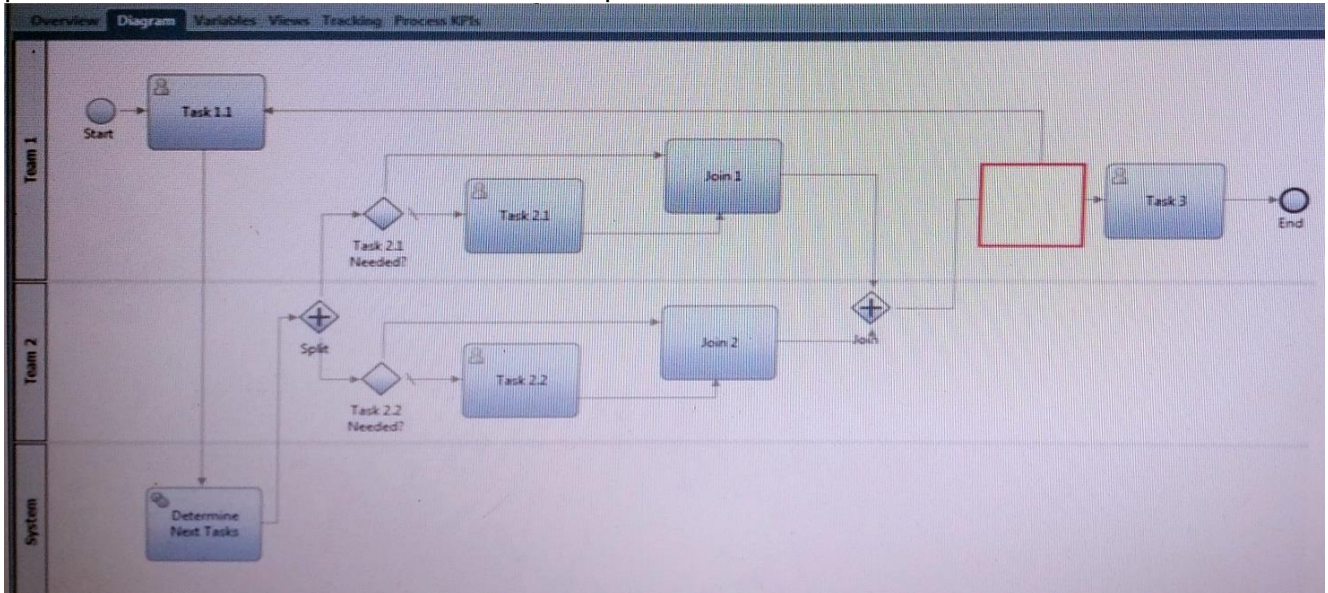*Answer:* D

NO.43 A developer needs to write a high performance business process. What is one step that the developer can take to improve error handling performance for a specific process activity?

A. Route the error to a different activity.
B. Route the error back to the same activity.
C. Route the error to a global error handler in the same activity.
D. Route the error to all participants in the activity's swimlane.
Answer: C

NO.44 Which gateway is required to complete the BPD in the image below and ensure that the process either returns back to Task 1.1 or completes via Task 3?

A. Event Gateway
B. Complex Gateway
C. Parallel Gateway
D. Exclusive Gateway
Answer: D
Explanation:
http://www.ibm.com/support/knowledgecenter/SSFTDH_8.5.6/com.ibm.wbpm.wle.editor.do
c/topics/example_gateways.html

NO.45 There are two system tasks that have to be executed sequentially in a Process. In order to improve process performance, which pattern is a good solution?
A. To have two sequential system tasks in the system lane.
B. Combine the two system tasks into a single system task.
C. To have the first task in the system laneand the second in other lane.
D. To have the first task in the system lane followed by a Human task and later the second system task in the system lane.
Answer: C

NO.46 What is the most common use for the POST HTTP method when using the REST API?
A. Delete a resource
B. Retrieve a resource
C. Create a new resource
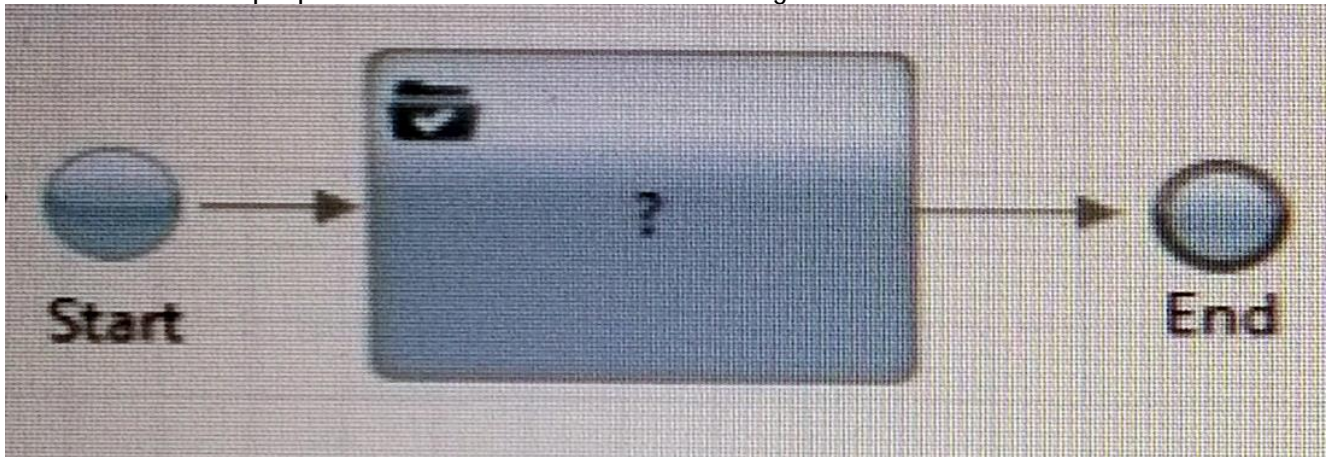**D.** Update an existing resource
Answer: A

Explanation:
http://www.ibm.com/support/knowledgecenter/SSV2LR/com.ibm.wbpm.bpc.doc/topics/rdev
_restapis_httpmethods.html

NO.47 Which statement is true regarding Process Federation Server?
A. Process Federation Server does not support elasticsearch.
B. In federated environments, Process Portal supports only BPD tasks and processes.
C. File-based user registries are not supported for development and test environments.
D. To help ensure that your environments is configured correctly, the validation tool that is provided
with Process Federation Server should be used.
Answer: D

NO.48 What is the purpose of the service shown in the image below?

A. To access a case in IBM CaseManager.
B. To call a Web Service that creates a new folder on a shared network drive.
C. To retrieve a document from an Enterprise Content Management (ECM) system.
D. To write a text file to a folder on the IBM Business Process Manager server.
Answer: A

NO.49 When defining a configuration option for a coach view, what does the "Group Name" option
allow you to do?
A. Map a list of business objectsto the option.
B. Group all the configuration options in one collapsible section.
C. Apply a tag that can be searched using the Smart Folders feature.
D. Define a list object to hold all the configuration options with the same group name.
Answer: B

NO.50 When building an Ajax service, which statement is true regarding automatically synchronizing
shared business objects?
A. The settings are configurable.
B. The settings are always disabled.
C. The settings are set using a server script.
D. The settings are only available to administrators.
Answer: B

NO.51 When an instance is migrated that includes a Human Service or Coach task that is actively

running, what happens to the task?
A. If active tasks are currently running, it cannot be upgraded.
B. The user interface prompts the user to get newest version.
C. The user interface gets updated for that active task to the newest version.
D. The user interface from the old version is still displayed. Refreshing or clicking Next has no effect.
Answer: A

NO.52 When calling an AJAX or REST operation from a coach view, the parameters of the call's argument must be in which format?
A. A stringified XML object
B. A serialized JSON object
C. A native ISO 8601 object
D. A Plain Old Java Object (POJO)
Answer: B

NO.53 IBM Business Process Manager theme support is based on which open source CSS pre-complier?
A. CASS
B. LESS
C. SASS
D. PHP-LESS
Answer: B

NO.54 Which two statements are true regarding task assignments? Select two.
A. To assign a team of subject matter experts, select a team for the "Experts Team"option.
B. A Team Filter Service can be used to dynamically configure the members of the team that is assigned to the task.
C. When Assign To is set to "Team" the team that is assigned to the swimlane in the BPD will receive the task at runtime.
D. Tasks assigned to "Lane", "Team" or the deprecated task assignment options can be viewed in the Team Performance dashboard.
E. A process variable is required in the "Team Filter Service Input Mapping" to receive the dynamic team that is returned by the TeamFilter Service.
Answer: C,D

NO.55 An activity on a process has three incoming flows attached to it and a single flow coming out. All three incoming flows have a token flow to the activity. What happens next?
A. Three tasks are createdfor the activity. When each task completes, a token flows down the outgoing flow.
B. Three tasks are created for the activity. One token flows down the outgoing flow when all three tasks are completed.
C. Only one task is created for the activity. The task is not created until all the tokens flow to the activity. One token flows down the outgoing flow once the task is completed.
D. Only one task is created for the activity. The task is created when the first token arrives at the activity, and the other tokens are discarded when they arrive. One token flows down the outgoing flow once the first task is completed.
Answer: A

NO.56 A process has failed. Several administrative actions can be taken using the Process Inspector in the Process Admin Console. Which of the following actions are supported?
A. Only export error details
B. Edit data values at predecessor steps
C. Search for failed processes, edit data values at predecessor steps and examine data values at the point of failure
D. Export error details, search for failed processes and examine data values at the point of failure.
Answer: D

NO.57 To integrate the content of an existing Enterprise Content Management system with an IBM Business Process Management solution, where is the initial folder structure of a process instance defined?
A. Coach settings
B. Process Inspectorsettings
C. Folder Management settings
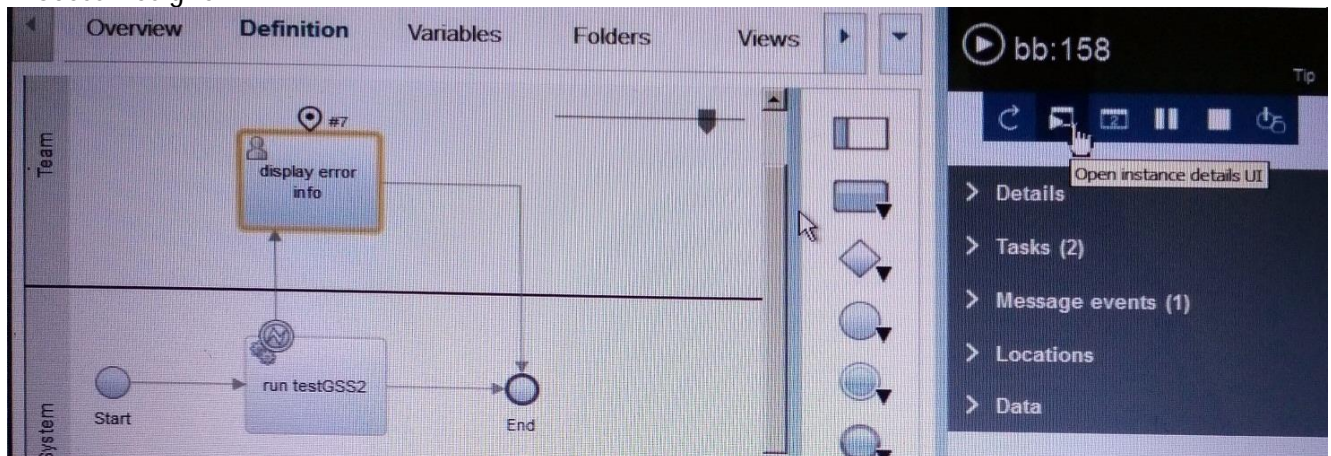**D.** Process Application folder settings
Answer: D

NO.58 Which toolkit dependency is required for all Process applications?
A. Database toolkit
B. Dashboard toolkit
C. System Data toolkit
D. System Content Management toolkit
Answer: C

NO.59 When debugging a process, five categories of information are presented in the Web Process Designer.

What is the purpose of the Message events tab?
A. To see message events such as exceptions.
B. To view log/trace information generated during process execution.
C. To view emails and other notifications sent during process execution.
D. To chat/collaborate with other developers logged into Process Center.
Answer: A

NO.60 What is the maximum number of fields a tracking group can have for each of the data types?

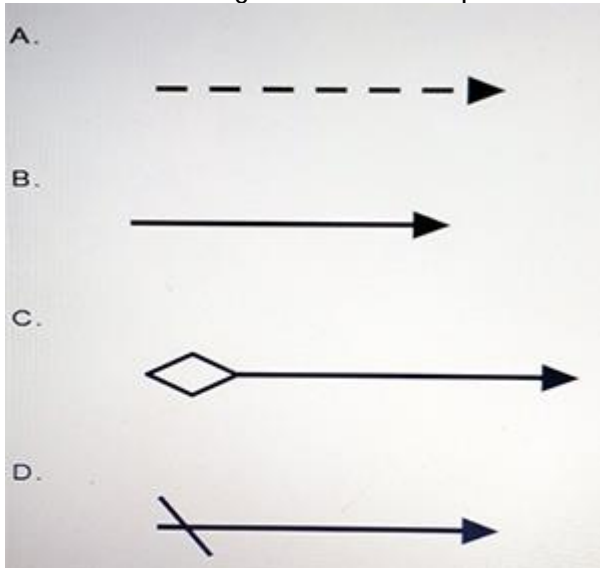**A.** 10
B. 15
C. 50
D. 200
Answer: C

NO.61 A BPM developer has created a custom theme for adding the company branding to the process application. The developer wants to set the process application to use this custom theme. Where is the custom theme applied?
A. Theme section in the Process App Settings page underthe UI Conversion tab of the process application.
B. Exposed Items section in the Process App Settings page under the Overview tab of the process application.
C. Coach Designer Settings section in the Process App Settings page under the Overview tab of the process application.
D. Environment Variables section in the Process App Settings under the Environments tab of the process application.
Answer: C

NO.62 Which image is a default sequence flow?

A. Option A
B. Option B
C. Option C
D. Option D
Answer: D

NO.63 When defining a Boolean coach view configuration option, what is the implicit default value?
A. null
B. true
C. none
D. false
Answer: D