

1. Can post requests be bookmarked? What are the problems?
Cannot completely. Because POST more secure since parameters not visible in browser address bar.
2. What is the purpose of request dispatching?
Manage responding to any resources (such as HTML, Image, JSP, Servlet) on the server. In other words, to reuse functionality and to separate responsibilities.
3. What is the difference between redirect and request dispatch?
Redirect: address bar will change to new URL, request and response objects cannot be sent, only http message sent
Request dispatch: request and response objects passed to destination servlet, passes the request to another resource on the server. The URL in browser address bar will remain unchanged.
4. What is an attribute?
It is an object that can be set, get or removed from request, session or application scope for passing informations from one servlet to another. Name/value pair in a scope.
5. What is the difference between attributes and parameters?
Parameters: form field name/value pair comes from the client request, value is a String, read only.
Attributes: Java object name/value pair passed only through the internal JavaServer processes set by the server side, value is Object, read/write.
6. What are dangers of using attributes?
Attribute allows Servlets to share information among themselves.
7. What does it mean to say that http is stateless? Give an example of a stateful protocol.
A stateless protocol does not require the server to retain information or status about each user for the duration of multiple requests: HTTP
A protocol that requires keeping of the internal state on the server is known as a stateful protocol: TCP, TLS/SSL
8. Give 5 different methods for maintaining state information (count each attribute scope as one method).
request scope, session scope, application scope, cookies, hidden fields on a form
9. How long does a session last?
It depends on session time. Until the session object timeout (seconds pass without any use) or until session.invalidate() is called or when application is undeployed

10. What is a cookie, and how long does a cookie last?

It depends on cookie set time.

11. What is the purpose of URL rewriting?

Simplify remembering long url and secure with hiding some parameters

12. Why does the request attribute report 'null' for the maintaining state demo?

As soon as the server has finished generating the response for the request, the request doesn't exist anymore.