Click the Exhibit button. Given the web application deployment descriptor elements:

11. <filter>
12. <filter-name>ParamAdder</filter-name>
13. <filter-class>com.example.ParamAdder</filter-class>
14. </filter>
...
31.<filter-mapping>
32.<filter-name>ParamAdder</filter-name>
33.<servlet-name>Destination</servlet-name>
34.</filter-mapping>
...
55.<servlet-mapping>
56.<servlet-name>Destination</servlet-name>
57.<url-pattern>/dest/Destination</url-pattern>
58.</servlet-mapping>

What is the result of a client request of the Source servlet with no query string?

```
//Source Servlet:Source.java
public class Source extends HttpServlet{
 public void service(HttpServletRequest request,HttpServletResponse response)
  throws ServletException,IOException{
   RequestDispatcher rd=request.getRequestDispatcher("/dest/Destination");
   rd.forward(request,response);
  }
}
```

```
//Filter:ParamAdder.java
public class ParamAdder implements Filter{
 //...
 public void doFilter(ServletRequest request,ServletResponse response,FilterChain chain)
  throws ServletException,IOException{
   request.setAttribute("filterAdded","addedByFilter");
   chain.doFilter(request,response);
```

```
  }
  //...
}

//Destination Servlet Destination.java
public class Destination extends HttpServlet{
 public void service(HttpServletRequest request,HttpServletResponse
response)
  throws ServletException,IOException{
   String filterParam=(String)request.getAttribute("filterAdded");
   response.getWriter().println("filterAdded="+filterParam);
  }
}
```
A-The output "filterAdded = null" is written to the response stream.

B-The output "filterAdded = addedByFilter" is written to the response stream.

3-An exception is thrown at runtime within the service method of the Source servlet.

4-An exception is thrown at runtime within the service method of the Destination servlet.