**RequestDispatcher in Servlet**

The **RequestDispatcher interface** provides the facility of **dispatching the request** to another resource it may be html, servlet or jsp.

This interface can also be used to include the content of another resource also. It is one of the way of servlet collaboration.

# 1.**public void forward(ServletRequest request,ServletResponse response):**

# Forwards a request from a servlet to another resource (servlet, JSP file, or HTML file) on the server.

# **2.public void include(ServletRequest request,ServletResponse response)**

# Includes the content of a resource (servlet, JSP page, or HTML file) in the response.

### **How to get the object of RequestDispatcher**

# public RequestDispatcher getRequestDispatcher(String resource);

#### **Example:** <https://www.javatpoint.com/requestdispatcher-in-servlet>

RequestDispatcher rd=request.getRequestDispatcher("servlet2");  //servlet2 is the url-pattern of the second servlet*(<url-pattern>/servlet2</url-pattern> in xml )*

rd.forward(request, response);//method may be include or forward

Example:  **if**(p.equals("servlet"){

        RequestDispatcher rd=request.getRequestDispatcher("servlet2");

        rd**.forward**(request, response);

}      **else**{

        out.print("Sorry UserName or Password Error!");

        RequestDispatcher rd=request.getRequestDispatcher("/index.html");

        rd**.include**(request, response);

# }

# forward() method of RequestDispatcher and sendRedirect() method of HttpServletResponse interface.

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| **forward() method** | **sendRedirect() method** |
| The forward() method works at server side. | **The sendRedirect() method works at client side.** |
| It sends the same request and response objects to another servlet. | **It always sends a new request.** |
| It can work within the server only. | It can be used within and outside the server. |
| Example: request.getRequestDispacher("servlet2").forward(request,response); | Example: response.sendRedirect("servlet2"); |