

## How to Upload File to Server using Servlets and Apache Tomcat Server in Netbeans

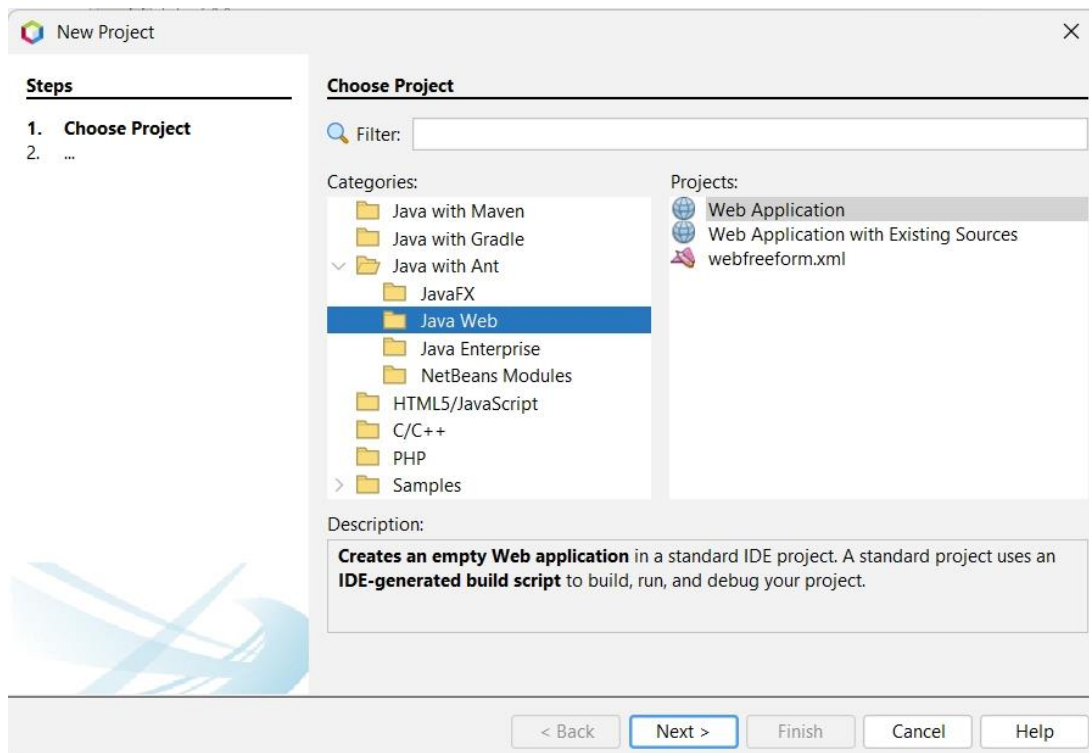
This Tutorial will teach you how to upload a File to Server in directory c:\temp using Java Servlets.

This Tutorial using Apache Tomcat Server 10 as Application Server.

Start Apache Netbeans 18

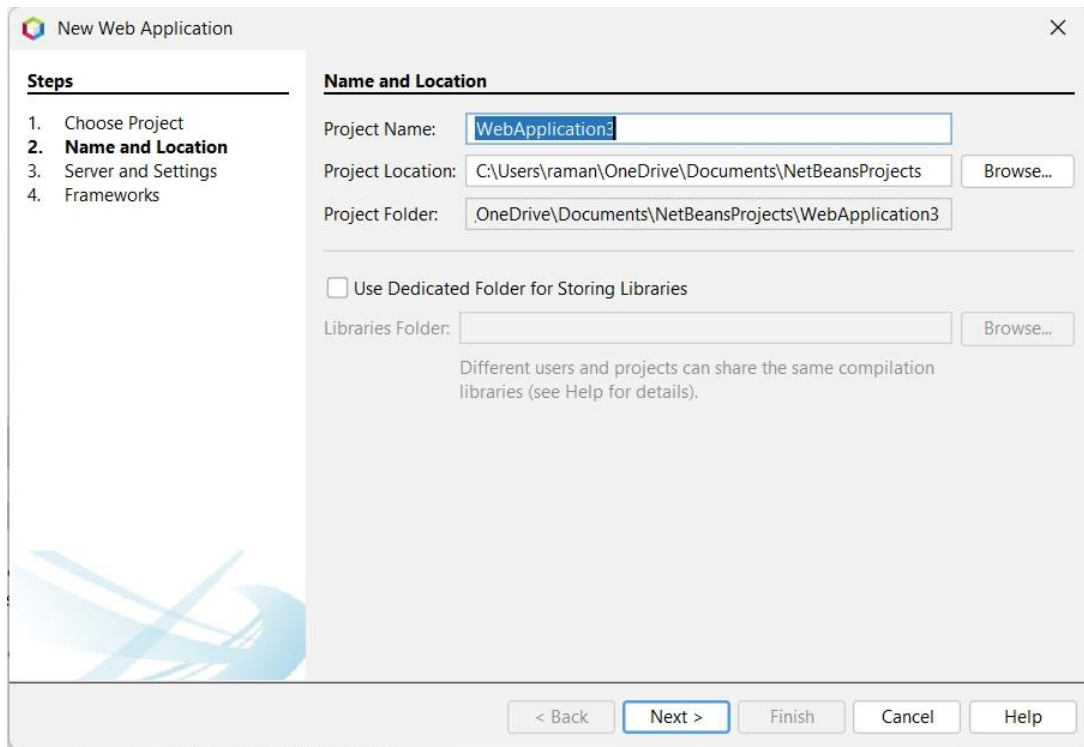
Go to File -> New Project

Following window will appear



Click on Next

Following window will appear



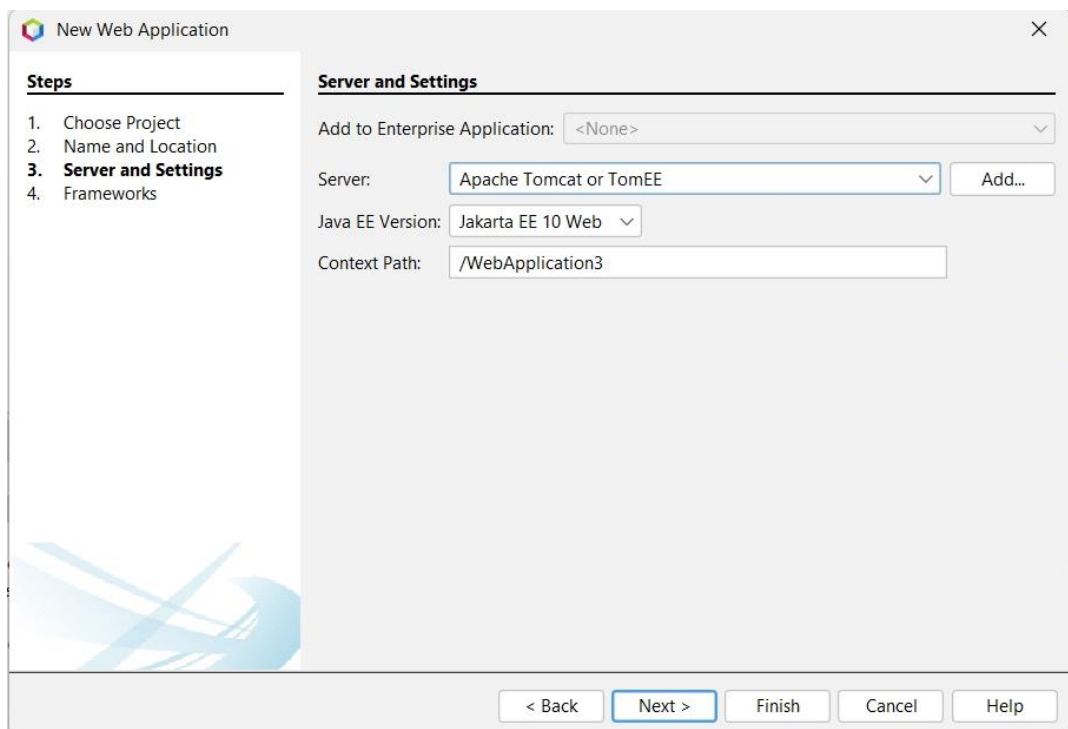
The dialog box is titled "New Web Application" and has a close button (X) in the top right corner. On the left, a "Steps" sidebar lists four steps: 1. Choose Project, 2. **Name and Location**, 3. Server and Settings, and 4. Frameworks. The main area is titled "Name and Location" and contains the following fields and options:

- Project Name:** A text field containing "WebApplication3".
- Project Location:** A text field containing "C:\Users\raman\OneDrive\Documents\NetBeansProjects" and a "Browse..." button.
- Project Folder:** A text field containing ".OneDrive\Documents\NetBeansProjects\WebApplication3".
- Use Dedicated Folder for Storing Libraries:** An unchecked checkbox.
- Libraries Folder:** A text field and a "Browse..." button.
- A note below the Libraries Folder: "Different users and projects can share the same compilation libraries (see Help for details)."

At the bottom, there are five buttons: "< Back", "Next >" (highlighted with a blue border), "Finish", "Cancel", and "Help".

Click on Next

Following window will appear



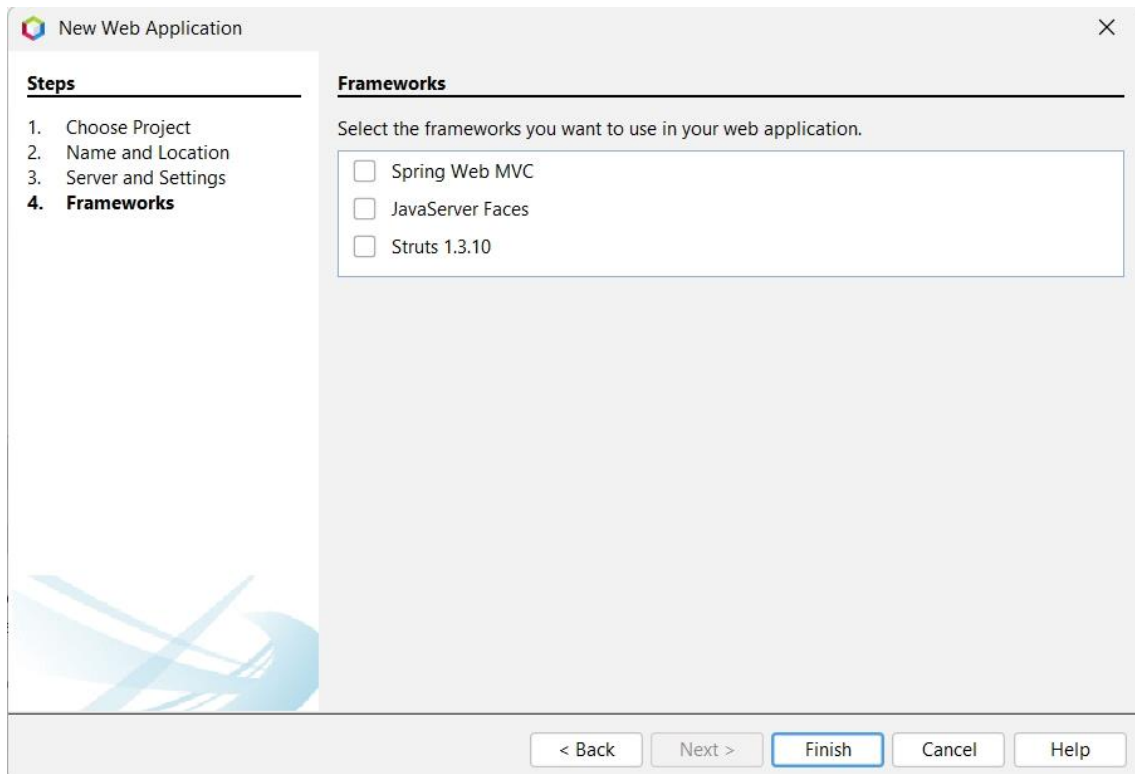
The dialog box is titled "New Web Application" and has a close button (X) in the top right corner. On the left, a "Steps" sidebar lists four steps: 1. Choose Project, 2. Name and Location, 3. **Server and Settings**, and 4. Frameworks. The main area is titled "Server and Settings" and contains the following fields and options:

- Add to Enterprise Application:** A dropdown menu showing "<None>".
- Server:** A dropdown menu showing "Apache Tomcat or TomEE" and an "Add..." button.
- Java EE Version:** A dropdown menu showing "Jakarta EE 10 Web".
- Context Path:** A text field containing "/WebApplication3".

At the bottom, there are five buttons: "< Back", "Next >" (highlighted with a blue border), "Finish", "Cancel", and "Help".

Click on Next

Following window will appear



Click on Finish

Now your Web Application Project has been created

Now write following code in index.html

---

```
<html>

  <head>

    <title>TODO supply a title</title>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

  </head>

  <body>

    <form method="post" action="fileuploadervlet" enctype="multipart/form-data">
      Select File : <input type="file" name="file" />
      <input type="submit" value="Upload" />
    </form>

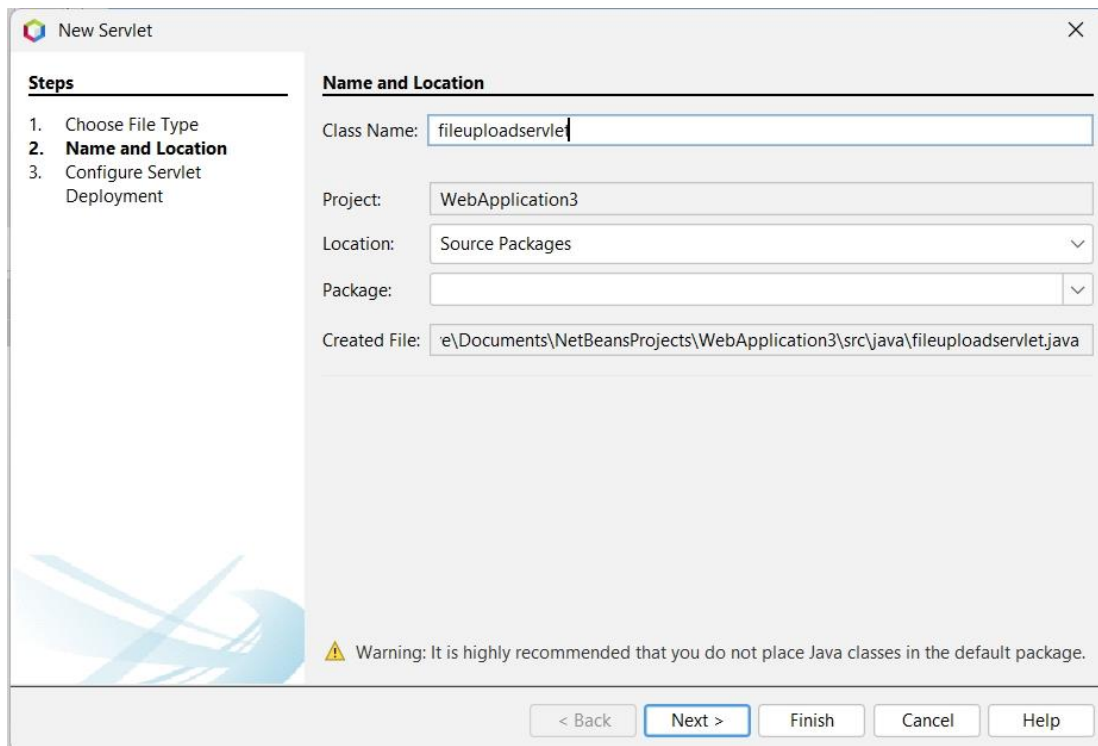
  </body>

</html>
```

---

Now Right Click on Project WebApplication3 and Select New -> Servlet

Give Servlet Name as fileuploadservlet



After giving name to servlet as fileuploadservlet click Finish

Following are the imports for fileuploadservlet

---

```
import jakarta.servlet.ServletException;
import jakarta.servlet.annotation.MultipartConfig;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import jakarta.servlet.http.Part;
import java.io.IOException;
import java.io.PrintWriter;
```

---

Add following annotation to the fileuploadservlet

[An annotation is a tag representing metadata about classes, interfaces, variables, methods, or fields.](#)

---

```
@WebServlet(name = "FileUploadServlet", urlPatterns = { "/fileuploadservlet" })
```

```
@MultipartConfig(
```

```
    fileSizeThreshold = 1024 * 1024 * 1, // 1 MB
```

```
    maxFileSize = 1024 * 1024 * 10,    // 10 MB
```

```
maxRequestSize = 1024 * 1024 * 100 // 100 MB
```

```
)
```

---

Now in index.html we have set method type as post so we will edit doPost method of servlet to upload files.

Following is the code for doPost() Method

---

```
protected void doPost(HttpServletRequest request, HttpServletResponse response)
```

```
    throws ServletException, IOException {
```

```
    Part filePart = request.getPart("file");
```

```
    String fileName = filePart.getSubmittedFileName();
```

```
    for (Part part : request.getParts()) {
```

```
        part.write("C:\\temp\\" + fileName);
```

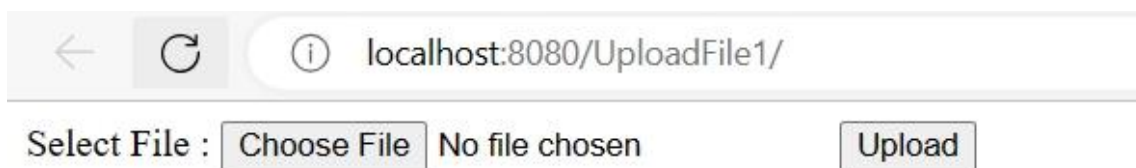
```
    }
```

```
    response.getWriter().print("The file uploaded sucessfully.");
```

```
}
```

---

After running the project following will be the output



Click on Choose File to select the file you want to upload and then click on Upload

After the successful execution of the code file will be uploaded to folder c:\temp\

and you will get the following output



The file uploaded sucessfully.