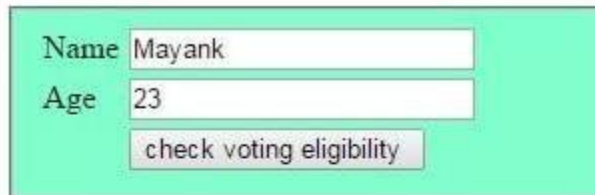


Advanced Java

PART A-5

1. Write a Servlet program that accepts the age and name and displays if the user is eligible for voting or not

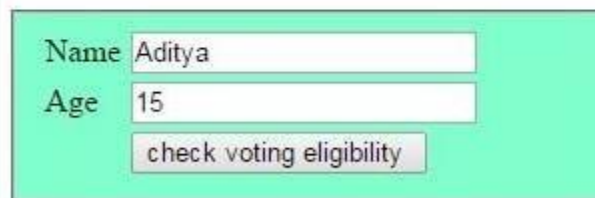
Output:



A screenshot of a web form with a light green background. It contains two input fields: 'Name' with the value 'Mayank' and 'Age' with the value '23'. Below the fields is a button labeled 'check voting eligibility'.

Mayank you are eligible to vote

[Home](#)



A screenshot of a web form with a light green background. It contains two input fields: 'Name' with the value 'Aditya' and 'Age' with the value '15'. Below the fields is a button labeled 'check voting eligibility'.

Aditya you are not eligible to vote

[Home](#)

File-> New project->Java with Ant -> Java Web -> Web Application -> Project Name (Voting) ->Next-> Server(Apache Tomcat or TomEE / GlassFish Server)-> Next->Finish

It creates index.html file

Index.html

<!DOCTYPE html>

```
<html>
<head>
<title>Voting Eligibility Check</title>
</head>
<body>
<form method="POST" action="CheckVoter">
<table cellpadding=5 cellspacing=5 bgcolor="aqua" cols=2>
<tr>
<td>Name</td>
<td><input type="text" name="uname" value="" placeholder="ENTER
NAME"></td>
</tr>
<tr>
<td>Age</td>
<td><input type="text" name="age" value="" placeholder="ENTER AGE"></td>
</tr>
<tr>
<td></td>
<td><input type="submit" value="check voting eligibility"></td>
</tr>
</table>
</form>
</body>
</html>
```

After creating the project go to source package

[Source package->Right Click-> New-> Servlet-> Class Name(CheckVoter)-> Package(com)-> Next-> Finish]

It creates CheckVoter.java file

CheckVoter.java

```
package com;

import java.io.IOException;
import java.io.PrintWriter;
import jakarta.servlet.ServletException;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;

public class CheckVoter extends HttpServlet {

    protected void processRequest(HttpServletRequest request, HttpServletResponse
response)

        throws ServletException, IOException {

        response.setContentType("text/html;charset=UTF-8");

        PrintWriter pw = response.getWriter();

        try (PrintWriter out = response.getWriter()) {

            String name = request.getParameter("uname");

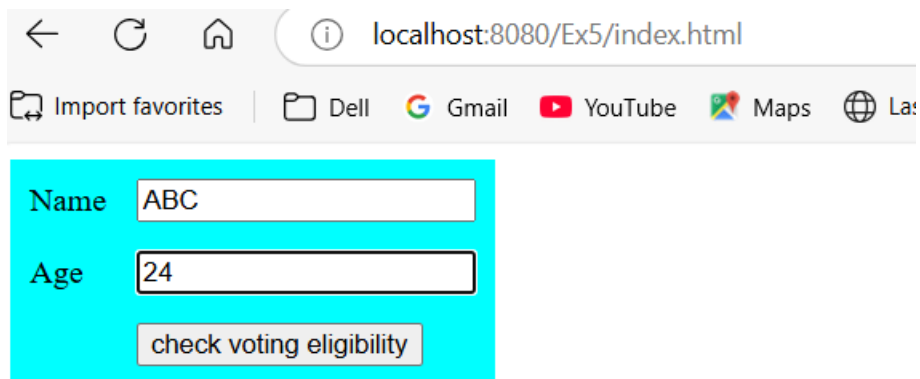
            int age=Integer.parseInt(request.getParameter("age"));

            if(age>=18){

                out.println("<font color='green'><h1> " +name+ " You are Eligible
to Vote </h1></font>");
            }
        }
    }
}
```

```
    }else{  
        out.println("<font color='brown'><h1> " +name+ " You are not  
Eligible to Vote </h1></font>");  
    }  
    out.println("<a href=\"index.html\">HOME</a>");  
  
}  
  
}  
  
}
```

Output:



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/Ex5/index.html'. Below the address bar, there are several icons for 'Import favorites', 'Dell', 'Gmail', 'YouTube', 'Maps', and 'La:'. The main content area of the browser shows a form with a cyan background. The form has two input fields: 'Name' with the value 'ABC' and 'Age' with the value '24'. Below these fields is a button labeled 'check voting eligibility'.

ABC You are Eligible to Vote

[HOME](#)

8. Write a java Servlet program to Download a file and display it on the screen(A link has to be provided in HTML, when the link is clicked corresponding file has to be displayed on screen).

Step1:

Create one cv within

C:\BCA\mycv.txt or mycv.docx

mycv.txt

```
Name: ABC
Qualification |:BCA
Address : Moodlakatte
Phone no: 9875431099
```

Step 2:

File-> New project->Java with Ant -> Java Web -> Web Application -> Project Name (File) ->Next-> Server(Apache Tomcat or TomEE / GlassFish Server)-> Next->Finish

It creates index.html file

Index.html

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Download File Example</title>
```

```
    <meta charset="UTF-8">
```

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

```
  </head>
```

```
  <body>
```

```
<h1>Click the below link to Download file</h1><br>
<a href="dd">Download</a>
</body>
</html>
```

Step 3:

After creating the project go to source package

[Source package->Right Click-> New-> Servlet-> Class Name(Download)-> Package(com)-> Next-> Finish]

It creates Download.java file

Download.java

```
package com;
```

```
import java.io.*;
```

```
import jakarta.servlet.annotation.WebServlet;
```

```
import jakarta.servlet.http.*;
```

```
@WebServlet("/dd")
```

```
public class Download extends HttpServlet {
```

```
    protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws IOException {
```

```
        File file = new File("C:\\BCA\\mycv.txt");
```

```
        if (!file.exists()) {
```

```
            response.getWriter().println("File not found.");
```

```
        return;
    }

    response.setContentType("application/octet-stream");
    response.setHeader("Content-Disposition", "attachment; filename=\"" +
file.getName() + "\"");

    try (var in = new FileInputStream(file); var out =
response.getOutputStream()) {
        in.transferTo(out); // Simplified file transfer
    }
}
}
```

Output:

Click the below link to Download file

[Download](#)