

1. Create a new "Dynamic Web Project" by name "assign01". Do the following steps in that project.

- Create a file index.html under WebContent/ directory (above WEB-INF). This file contains two hyper-links. First to ProfileServlet and ResultServlet.
- Create a servlet class ProfileServlet. The page should be rendered in "pink" color (Hint: `<body bgcolor='pink'>`) and should display your information like first name, last name, qualification, college/university name, birth date, etc. All data is hard-coded/fixed.
- Create a class pojo Marks with two fields i.e. subject and marks.
- Create a servlet class ResultServlet.
 - It will have a private field `ArrayList<Marks> result;`.
 - Override init() method of the servlet that will initialize the ArrayList with some fixed data.

```
@Override
public void init(ServletConfig config) throws ServletException {
    super.init(config);
    result = new ArrayList<>();
    result.add(new Marks("Java programming", 80.0));
    result.add(new Marks("Web programming", 85.0));
    result.add(new Marks("Database technologies", 83.0));
    // ...
}
```

- Override doGet() method and render ArrayList contents as HTML table.

```
// ...
for(Marks m:result) {
    out.println("<tr>");
    out.printf("<td>%s<td>\r\n", m.getSubject());
    out.printf("<td>%.2f<td>\r\n", m.getMarks());
    out.println("</tr>");
}
// ...
```

2. In online voting application, implement following functionalities.

- Create newuser.html that input user details from end user and post it to registration servlet.
- The registration servlet will store details in database and show appropriate message to end user.
- In ResultServlet provide link to new candidate page. Create newcandidate.html to input candidate details from end user and post it to add candidate servlet.
- Add candidate servlet will add these details in database and redirect to result servlet.