Index.html

```html
<html>
    <head>
        <title>Start Page</title>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    </head>
    <body>
        <h1>Hello World!</h1>
        <form action="examInfo">
 <div>
 <input type="text" name="name" placeholder="Enter Name"><br>
 <input type="text" name="id" placeholder="Enter Id"><br>
 <input type="text" name="department" placeholder="Enter Department"><br>
<input type="Submit" value="Next" name="btn_next">
 </div>
 </form>
```

*************** examInfo(Servlet)*************************

```java
package com.mycompany.pract5;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.Cookie;
@WebServlet(urlPatterns = {"/examInfo"})
public class examInfo extends HttpServlet {
```

```java
protected void processRequest(HttpServletRequest request,
HttpServletResponse response)
        throws ServletException, IOException {
    response.setContentType("text/html;charset=UTF-8");


    response.setContentType("text/html;charset=UTF-8");
String nm,id,department;
try (PrintWriter out = response.getWriter()) {
nm= request.getParameter("name");
id= request.getParameter("id");
department= request.getParameter("department");
    Cookie c1,c2,c3;
c1 = new Cookie("nm",nm);
c2 = new Cookie("id",id);
c3 = new Cookie("dept",department);
 response.addCookie(c1);
response.addCookie(c2);
response.addCookie(c3);
 out.println("<!DOCTYPE html>");
out.println("<html>");
out.println("<head>");
out.println("<title>ExamInfo</title>");
out.println("</head>");
out.println("<body><form action=\"examResult\">");
out.println("<h1>Student : " + nm + "</h1><br><hr>");
out.println("<center><b>Enter ,marks for six subjects [out of
100]</b></center><br>");
out.println("Enter marks for subject1 <input type=\"text\"
name=\"subj1\"><br><br>");
```

```java
out.println("Enter marks for subject2 <input type=\"text\" name=\"subj2\"><br><br>");

out.println("Enter marks for subject3 <input type=\"text\" name=\"subj3\" ><br><br>");

out.println("Enter marks for subject4 <input type=\"text\" name=\"subj4\" ><br><br>");

out.println("Enter marks for subject5 <input type=\"text\" name=\"subj5\" ><br><br>");

out.println("Enter marks for subject6 <input type=\"text\" name=\"subj6\" ><br><br>");

out.println("<input type=\"Submit\" value=\"Generate Result\">");

out.println("</form></body>");

out.println("</html>");

}

</body>
</html>
```

**************************************examResult(Servlet)***

```java
package com.mycompany.pract5;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.Cookie;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet(urlPatterns = {"/examResult"})
```

```java
public class examResult extends HttpServlet {


    protected void processRequest(HttpServletRequest request,
HttpServletResponse response)
            throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");


        try (PrintWriter out = response.getWriter()) {
/* TODO output your page here. You may use following sample code. */
int m1,m2,m3,m4,m5,m6;
float avg;
m1 = Integer.parseInt(request.getParameter("subj1"));
m2 = Integer.parseInt(request.getParameter("subj2"));
m3 = Integer.parseInt(request.getParameter("subj3"));
m4 = Integer.parseInt(request.getParameter("subj4"));
m5 = Integer.parseInt(request.getParameter("subj5"));
m6 = Integer.parseInt(request.getParameter("subj6"));
avg=(float) (m1+m2+m3+m4+m5+m6)/6;

char grade;
if(avg >= 90)
{
grade = 'A';
}
else if(avg >= 70)
{
grade='B';
}
else if (avg >= 60)
{
```

```java
grade = 'C';
}
else
{
grade = 'F';
}
        Cookie []c= request.getCookies();


 out.println("<br>Name :"+c[0].getValue());
 out.println("<br>Id :"+c[1].getValue());
 out.println("<br>Department :"+c[2].getValue());


 out.println("<!DOCTYPE html>");
 out.println("<html>");
 out.println("<head>");
 out.println("<title>ExamResult</title>");
 out.println("</head>");
 out.println("<body>");
 out.println("<h1>Exam Result :"+grade+"</h1>");
 out.println("</body>");
 out.println("</html>");
```

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