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## Combinations of Three Numbers from 1 to 5

Combination 1	Combination 2	Combination 3
1	2	3
1	2	4
1	2	5
1	3	2
1	3	4
1	3	5
1	4	2
1	4	3
1	4	5
1	5	2
1	5	3
1	5	4
2	1	3
2	1	4
2	1	5
2	3	1
2	3	4
2	3	5
2	4	1
2	4	3

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class CombinationServlet extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        /* Set the content type of the response to "text/html".*/

        /* Create a PrintWriter object to write the HTML to the response.*/

        /* Generate the HTML header.*/

        out.println("<html>");
        out.println("<head>");
        out.println("<title>Combinations</title>");
        out.println("<style>");
        out.println("table, th, td { border: 1px solid black; padding: 5px; }");
        out.println("</style>");
        out.println("</head>");
        out.println("<body>");
        out.println("<h1>Combinations of Three Numbers from 1 to 5</h1>");
        out.println("<table>");
        out.println("<tr><th>Combination 1</th><th>Combination 2</th><th>Combination
3</th></tr>");

        /* Generate the HTML rows.*/

        for (int i = 1; i <= 5; i++) {
            for (int j = 1; j <= 5; j++) {
                for (int k = 1; k <= 5; k++) {
                    if (i != j && i != k && j != k) {

                        out.println("<tr>");
                        out.println("<td>" + i + "</td>");
                        out.println("<td>" + j + "</td>");
                        out.println("<td>" + k + "</td>");
                        out.println("</tr>");
                    }
                }
            }
        }
    }
}

```

```
        out.println("</table>");
        out.println("</body>");
        out.println("</html>");
    }
}
```