ΟΝΟΜΑ: ΑΜΡΙΤ ΠΑΛ

ΕΞΑΜΗΝΟ: 7ο

ΑΜ:2245

<p style="color:red; text-align:center">Εκδοχή τρίτη Currency Converter</p>

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Currency Converter</title>
</head>
<body>
    <h1>Μετατροπή Ποσών σε Διαδοχικά Νομίσματα</h1>

    <%
        double EUR_TO_USD = 1.06;
        double EUR_TO_GBP = 0.84;

        String amountStr = request.getParameter("amount");
        String fromCurrency = request.getParameter("from");
        String toCurrency = request.getParameter("to");

        double amount = 0.0;
        double result = 0.0;

        boolean hasError = false;
        String errorMessage = "";

        if (amountStr != null && fromCurrency != null && toCurrency
!= null) {
            try {
                amount = Double.parseDouble(amountStr);

                if (fromCurrency.equals("EUR") &&
toCurrency.equals("USD")) {
                    result = amount * EUR_TO_USD;
                } else if (fromCurrency.equals("EUR") &&
toCurrency.equals("GBP")) {
                    result = amount * EUR_TO_GBP;
                } else if (fromCurrency.equals("USD") &&
toCurrency.equals("EUR")) {
                    result = amount / EUR_TO_USD;
                } else if (fromCurrency.equals("USD") &&
toCurrency.equals("GBP")) {
                    result = (amount / EUR_TO_USD) * EUR_TO_GBP;
                } else if (fromCurrency.equals("GBP") &&
toCurrency.equals("EUR")) {
                    result = amount / EUR_TO_GBP;
                } else if (fromCurrency.equals("GBP") &&
toCurrency.equals("USD")) {
                    result = (amount / EUR_TO_GBP) * EUR_TO_USD;
                } else {
                    result = amount;
```

```jsp
                }
            } catch (NumberFormatException e) {
                hasError = true;
                errorMessage = "Παρακαλώ εισάγετε έγκυρο αριθμό για
το ποσό.";
            }
        }

        if (hasError) {
    %>
            <h1 style="color:red;"><%= errorMessage %></h1>
    <%
        }
    %>

    <form method="get">
        Ποσό: <input type="text" name="amount" value="<%= (amountStr
!= null ? amountStr : "") %>">
        Απο:
        <select name="from">
            <option value="EUR" <%= (fromCurrency != null &&
fromCurrency.equals("EUR") ? "selected" : "") %>>Ευρώ</option>
            <option value="USD" <%= (fromCurrency != null &&
fromCurrency.equals("USD") ? "selected" : "") %>>Δολάρια</option>
            <option value="GBP" <%= (fromCurrency != null &&
fromCurrency.equals("GBP") ? "selected" : "") %>>Λίρες</option>
        </select>
        Σε:
        <select name="to">
            <option value="EUR" <%= (toCurrency != null &&
toCurrency.equals("EUR") ? "selected" : "") %>>Ευρώ</option>
            <option value="USD" <%= (toCurrency != null &&
toCurrency.equals("USD") ? "selected" : "") %>>Δολάρια</option>
            <option value="GBP" <%= (toCurrency != null &&
toCurrency.equals("GBP") ? "selected" : "") %>>Λίρες</option>
        </select>
        <input type="submit" value="Convert">
    </form>

    <% if (!hasError && amountStr != null && fromCurrency != null &&
toCurrency != null) { %>
        <h1><%= amount %> <%= fromCurrency %> = <%= result %> <%=
toCurrency %></h1>
    <% } %>

</body>
</html>
```