# XSLT Assignments

## Assignment 1: **HR to Payroll XML Data Transformation (XML to XML)**

### Background:

Your company’s **HR department** exports employee data in a specific XML format. However, the **Payroll system** that processes salary and tax information requires the data in a different XML structure.

You’ve been tasked with **writing an XSLT stylesheet** to transform the **HR XML format** into the required **Payroll XML format** for system-to-system communication.

Source XML (HR System)

<employees>

<employee>

<id>101</id>

<name>Ashu</name>

<department>IT</department>

<designation>Software Engineer</designation>

<salary>80000</salary>

</employee>

<employee>

<id>102</id>

<name>Neha</name>

<department>Finance</department>

<designation>Analyst</designation>

<salary>65000</salary>

</employee>

</employees>

### Target XML (Payroll System – Required Output)

<payrollData>

<staff>

<staffId>101</staffId>

<fullName>Ashu</fullName>

<role>Software Engineer</role>

<dept>IT</dept>

<monthlySalary>80000</monthlySalary>

</staff>

<staff>

<staffId>102</staffId>

<fullName>Neha</fullName>

<role>Analyst</role>

<dept>Finance</dept>

<monthlySalary>65000</monthlySalary>

</staff>

</payrollData>

Task:

Write an **XSLT stylesheet** (hr-to-payroll.xsl) that:

1. Reads the original HR XML (employees.xml)
2. Transforms it into the required Payroll XML structure
3. Renames and reorders fields as specified
4. Produces output as shown above.

### Assignment 2: Background:

You are working on a solution for a **Human Resources (HR) department** of a mid-sized IT company. Each employee’s daily attendance is logged and stored as raw XML data exported from the biometric attendance system.

However, the **HR Operations Team** needs a visually clean and tabular **HTML report** to:

* View check-in/check-out timings
* Monitor late arrivals or early leaves
* Share monthly attendance summaries with team leads and managers

Your task is to **transform the XML data into a styled HTML table** using **XSLT** for easy review and printing.

### Sample Input XML (attendance.xml)

<?xml version="1.0"?>

<?xml-stylesheet type="text/xsl" href="attendance-style.xsl"?>

<attendanceReport>

<employee>

<empId>101</empId>

<name>Ashu</name>

<date>2025-07-07</date>

<checkIn>09:05</checkIn>

<checkOut>18:00</checkOut>

<status>Present</status>

</employee>

<employee>

<empId>102</empId>

<name>Neha</name>

<date>2025-07-07</date>

<checkIn>10:00</checkIn>

<checkOut>17:00</checkOut>

<status>Late</status>

</employee>

</attendanceReport>

