Exercises on DOM

Exercise 1: Write a Java-Program using DOM to read an XML document

Note: To be able to use the built-in DOM parser from the Java SDK, you should have at least Java 1.6 or higher (see: http://www.oracle.com/technetwork/java/javase/downloads/jdk7u9-downloads-1859576.html) installed on your computer.

In the file is_ex05_dom.zip, you will find the XML document employees.xml, containing the names and working hours of employees. Please write a Java program (using DOM) that reads the XML-File in and print out the First Name, Last Name and Working Hours of each employee. Please use ReadXMLFile.java (in the zip file) as the starting point of this exercise.

Exercise 2: Modifying an XML document using DOM (Part A)

In the file is_ex05_dom.zip, you will find the XML document employees.xml, containing the names and working hours of employees. Please write a Java program (using DOM) that modify the information of an employee. Therefore append a new node named "age" to employee, loop over the employee child node and update the working hours element. After that, remove the first name of the employee. Write the modified content into an XML document. Please use ModifyXMLFile.java (in the zip file) as the starting point of this exercise.

Exercise 3: Modifying an XML document using DOM (Part B)

In the file is_ex05_dom.zip, you will find the XML document employees.xml, containing the names and working hours of employees. Please write a Java program (using DOM) that inserts a new employee element at the end of the list. The first name, last name, and working hours of the new employee should be provided as arguments of the program call. Please use EmployeeInserter.java (in the zip file) as the starting point of this exercise.