Department of Software Engineering Mehran University of Engineering and Technology, Jamshoro

Course: SWE324 – Distributing Computing			
Instructor	Rabeea Jaffari	Practical/Lab No.	08
Date	02 April 2019	CLOs	CLO-4: P3 & P4
Signature		Assessment Score	1 Marks

Topic	To become Familiar with OLTP System Design	
Objectives	 To learn XML schema and parsing an XML document. 	

```
Lab Tasks
Submitted by: 16SW04
```

1. Write an XML instance for following schema and then parse that document in Java using either DOM or SAX API

DOM or SAX API.

JavaApplication3 - NetBeans IDE 8.1 RC

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```
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Services
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    Source
    1
暴
    2
          package javaapplication3;
       3
     4
           * @author Jawaria Sattar(16SW04)
    5
Projects
           */
     6
       import java.io.File;
    7
          import javax.xml.parsers.SAXParser;
9
          import javax.xml.parsers.SAXParserFactory;
    ₽.
          import org.xml.sax.Attributes;
8
     ₽.
          import org.xml.sax.SAXException;
Navigator
    <u>Q.</u>
          import org.xml.sax.helpers.DefaultHandler;
    13
          public class JavaApplication3 {
    14
       口
              public static void main(String[] args) {
    15
                   // TODO code application logic here
    16
                     try {
                    File inputFile = new File("D:\\input.txt");
    17
                    SAXParserFactory factory = SAXParserFactory.newInstance();
    18
                    SAXParser saxParser = factory.newSAXParser();
    19
    20
                    UserHandler userhandler = new UserHandler();
    21
                    saxParser.parse(inputFile, userhandler);
    ₽.
                 } catch (Exception e) {
    <u>Q.</u>
                   e.printStackTrace();
    24
    25
    26
    27
    28
```



Output - JavaApplication3 (run)



run:



Start Element :person First Name : Jawaria Last Name : Sattar Roll no : 16SW04 Start Element :dob

Day: 09

Month : November

Year : 1998

End Element : dob End Element :person

BUILD SUCCESSFUL (total time: 0 seconds)



input - Notepad

File Edit Format View Help

<person>

<firstname>Jawaria</firstname>

<Lastname>Sattar</Lastname>

<Rollno>16SW04</Rollno>

<dob>

<day>09</day>

<month>November</month>

<year>1998</year>

</dob>

</person>