DIEGO AGUDO && JUANJO FERNANDEZ

ACCÈS A DADES

DUAL

```java
public static void main(String[] args) throws SAXException, IOException,
        ParserConfigurationException {
    Document doc;

    // per a carregar en memòria un arxiu xml
    File file = new File("alumnes.xml");
    DocumentBuilderFactory dbFactory = DocumentBuilderFactory.newInstance();
    DocumentBuilder dBuilder = dbFactory.newDocumentBuilder();
    doc = dBuilder.parse(file);

    // per obtenir el node arrel
    Node nodeArrel = doc.getDocumentElement();


    System.out.println("Node Principal: " + nodeArrel.getNodeName());
    InformacioNodes(nodeArrel, "  ");
    System.out.println("Final del node principal");
}


public static void InformacioNodes(Node node, String espais) {
    NodeList child;
    NamedNodeMap atributs;

    //Agafem els nodes fills
    child = node.getChildNodes();

    //Per cada node fill, una volta al loop
    for (int i = 0; i < child.getLength(); i++) {
        if (!child.item(i).getNodeName().equals("#text")) {

            //Ensenyem el nom del node
            System.out.println(espais + "Node: " + child.item(i).getNodeName());

            if (child.item(i).hasAttributes()) {

                atributs = child.item(i).getAttributes();
                //Mostrem els atributs (si en té)
                for (int j = 0; j < atributs.getLength(); j++) {
                    System.out.println(espais + "  " + "Attribute name: "
                            + atributs.item(j).getNodeName());
                    System.out.println(espais + "  " + "Attribute value: "
                            + atributs.item(j).getNodeValue());
                }
            } else {
                //Mostrem el valor del node (si en té)
                System.out.println(espais + "  " + "Value del node: " + child.item(i).getTextContent());
                System.out.println(" ");
            }
            //Mirem si té nodes fills i cridem a la mateixa funció de form, recursiva
            if (child.item(i).hasChildNodes()) {
                InformacioNodes(child.item(i), espais + "  ");
            }
        }
    }
}
```

  Problems @ Javadoc Declaration Console ⊠ Debug

<terminated> ex4 [Java Application] C:\Program Files\Java\jre1.8.0_91\bin\javaw.exe (17/1/2020 16:26:38)

```
Node Principal: alumnes
  Node: alumne
    Attribute name: id
    Attribute value: 1
    Node: nom
      Value del node: Alex

    Node: cognom1
      Value del node: Grange

    Node: cognom2
      Value del node: Borras

    Node: notaFinal
      Value del node: 5

  Node: alumne
    Attribute name: id
    Attribute value: 2
    Node: nom
      Value del node: Nuria

    Node: cognom1
      Value del node: Grange

    Node: cognom2
      Value del node: Borras

    Node: notaFinal
      Value del node: 10

  Node: alumne
    Attribute name: id
    Attribute value: 3
    Node: nom
      Value del node: Fede

    Node: cognom1
      Value del node: Grange

    Node: cognom2
      Value del node: Borras

    Node: notaFinal
      Value del node: 4

Final del node principal
```

Repositorio de github usado: https://github.com/juanXxue6/M9-uf2-ex2.git
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