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RASCAL CODE FOR ANALYZING USERS IN BRICKS:
module StackExchangeAnalysis
import IO;
import Map;
import Set;
import Relation;
import List;
import String;
import ListRelation;
import DateTime;
import util::Math;
import lang::xml::DOM;
public void analyze() {
      N = readFile(|courses:///Rascal/Libraries/Lang/xml/note.xml|);
      N = readFile(|file://C:/Users/caytekin/SATToSE/bricks/Users.xml|);
    Node xmlNode = parseXMLDOM(N);
    famousUsers = 0;
    veryFamousUsers = 0;
    bricksTopUsers = 0;
    visit (xmlNode) {
      case a:attribute( , aName: , aText: ) : {
//
          println("This is an attribute. Name: <aName>, text : <aText>");
      ;}
      case e:element( , eName: , eChildren: ) : {
             if (eName == "users") {
                   println("There are <size(eChildren)> users in bricks...");
                   for ( aRow <- eChildren) {</pre>
                          visit (aRow) {
                                case rowElement:element( , rName: , rChildren: ) : {
                                       if (rName == "row") {
                                              visit (rowElement) {
                                                    case rowAttribute:attribute( , rowAttName: , rowAttText: ) : {
                                                           if (rowAttName == "Reputation") {
                                                                 int rep = toInt(rowAttText);
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if (rep > 5) { famousUsers = famousUsers + 1; }
                                                                       if (rep > 50) { veryFamousUsers = veryFamousUsers +1; }
                                                                       if (rep > 1500) { bricksTopUsers = bricksTopUsers +1; }
            }
      ;}
    println("There are <famousUsers> famous users in bricks...");
    println("There are <veryFamousUsers> very famous users in bricks...");
    println("There are <bricksTopUsers> extremely famous users in bricks...");
}
THE OUPUT OF THE PROGRAM:
rascal>import StackExchangeAnalysis;
ok
rascal>analyze();
There are 4867 users in bricks...
There are 1783 famous users in bricks...
There are 1473 very famous users in bricks...
There are 12 extremely famous users in bricks...
ok
```