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gedXMLImport.php

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```

0  <?php
1
2  $genealogy = mysql_pconnect('localhost','genealogy','genealogy');
3  if (!$genealogy) {die ("MySQL connection failed!");}
4  mysql_select_db("genealogy",$genealogy);
5
6  $numPeople = 0;
7  $numMarriage = 0;
8  $numChristenings = 0;
9  $numBaptisms = 0;
10
11  $doc = xmldocfile("sample.xml");
12  function get_content($parent)
13  {
14      $nodes = $parent->children();
15      while($node = array_shift($nodes))
16          if ($node->type == XML_TEXT_NODE)
17              return $node->content;
18      return "";
19  }
20
21  function find_content($parent, $name)
22  {
23      $nodes = $parent->children();
24      while($node = array_shift($nodes))
25          if($node->tagname == $name)
26              return get_content($node);
27      return "";
28  }
29
30  function find_attr($parent, $name, $attr)
31  {
32      $nodes = $parent->children();
33      while($node = array_shift($nodes))
34          if($node->tagname == $name)
35              return $node->get_attribute($attr);
36      return "";
37  }
38  function get_node($parent, $name)
39  {
40      $nodes=$parent->children();
41      while($node = array_shift($nodes))
42      {
43          if($node->tagname == $name)
44              return $node;
45      }
46      return "";
47  }
48
49  function getPerson($Family,$id)
50  {
51      // get Person record with ID = id
52      foreach ($Family as $Person)
53          if ($Person->ID == $id)
54              return $Person;
55      return "";
56  }
57
58  function addFamilyID(&$Peeps, $ID, $fid)
59  {
60      for($i=0;$i<count($Peeps);$i++)
61      {
62          if ($Peeps[$i]->ID == $ID)
63          {
64              $Peeps[$i]->setFamIDChild($fid);
65              break;
66          }
67      }
68  }

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69  function addFatherID(&$Peeps, $ID, $fid)
70  {
71      for($i=0;$i<count($Peeps);$i++)
72      {
73          if ($Peeps[$i]->ID == $ID)
74          {
75              $Peeps[$i]->father = $fid;
76              break;
77          }
78      }
79  }
80  function addMotherID(&$Peeps, $ID, $mid)
81  {
82      for($i=0;$i<count($Peeps);$i++)
83      {
84          if ($Peeps[$i]->ID == $ID)
85          {
86              $Peeps[$i]->mother = $mid;
87              break;
88          }
89      }
90  }
91
92  function deleteOldRecords()
93  {
94      $genealogy = mysql_connect('localhost','genealogy','genealogy');
95      if (!$genealogy) {die ("MySQL connection failed!");}
96      mysql_select_db("genealogy",$genealogy);
97      $deleteQry = mysql_query("DELETE from tblFamily where ID >= 5", $genealogy);
98      $deleteQry = mysql_query("DELETE from tblPerson where ID >= 12", $genealogy);
99  } // line 100
100
101  function formatMonth($month)
102  {
103      $month = trim($month);
104      //print $month . "<br>";
105      if (is_int($month)) return $month;
106      $newMonth = strtoupper(substr($month,0,3));
107      $monthNum = '';
108      if($newMonth)
109      {
110          switch ($newMonth)
111          {
112              case 'JAN':
113                  $monthNum = '01';
114                  break;
115              case 'FEB':
116                  $monthNum = '02';
117                  break;
118              case 'MAR':
119                  $monthNum = '03';
120                  break;
121              case 'APR':
122                  $monthNum = '04';
123                  break;
124              case 'MAY':
125                  $monthNum = '05';
126                  break;
127              case 'JUN':
128                  $monthNum = '06';
129                  break;
130              case 'JUL':
131                  $monthNum = '07';
132                  break;
133              case 'AUG':
134                  $monthNum = '08';
135                  break;

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136     case 'SEP':
137         $monthNum = '09';
138         break;
139     case 'OCT':
140         $monthNum = '10';
141         break;
142     case 'NOV':
143         $monthNum = '11';
144         break;
145     case 'DEC':
146         $monthNum = '12';
147         break;
148     default:
149         $monthNum = '';
150 }
151 //print "Calculated month is $monthNum <br>";
152 }
153 return $monthNum;
154 }
155
156 class Person
157 {
158     var $ID;
159     var $Name;
160     var $Gender;
161     var $DeathStatus;
162     var $mother;
163     var $father;
164     var $DOB;
165     var $christening;
166     var $death;
167     var $familyIDchild;
168     var $baptism;
169
170     function setFamIDChild($fid)
171     {
172         $this->familyIDchild = $fid;
173     }
174
175     function printPerson()
176     {
177         print "<br>ID = " . $this->ID . "<br>";
178         print "Name = " . $this->Name . "<br>";
179         print "Gender = " . $this->Gender . "<br>";
180         print "DeathStatus = " . $this->DeathStatus . "<br>";
181         print "mother = " . $this->mother . "<br>";
182         print "father = " . $this->father . "<br>";
183         print "DOB = " . $this->DOB . "<br>";
184         print "christening = " . $this->christening . "<br>";
185         print "death = " . $this->death . "<br>";
186         print "familyIDchild = " . $this->familyIDchild . "<br>";
187         print "baptism = " . $this->baptism . "<br>";
188     }
189 }
190
191 class Event
192 {
193     var $ID;
194     var $husbID;
195     var $wifeID;
196     var $marriageDate;
197     // line 199
198     function setData($newID, $newhusbID, $newwifeID, $newmarriageDate)
199     {
200         $this->ID = $newID;
201         $this->husbID = $newhusbID;
202         $this->wifeID = $newwifeID;
203         $this->marriageDate = $newmarriageDate;
204     }

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205     }
206
207     function printEvent()
208     {
209         print "<br>In marriage " . $this->ID . ", " . $this->husbID . " ma
210 rried " . $this->wifeID . " on " . $this->marriageDate . "<br>";
211     }
212 }
213
214 $doc = xmldocfile("sample.xml");
215 $root = $doc->root();
216 $nodechildren = $root->children();
217 $rootchildren = $root->children();
218
219 $People = array();
220 $Family = array();
221
222 // delete the people we are about to add so we can start from a clean sl
223 ate
224 deleteOldRecords();
225
226 // First go through and pull all the individual names and the info we wa
227 nt
228 foreach($rootchildren as $rootchild)
229 {
230     if ($rootchild->tagname == "IndividualRec")
231     {
232         $IndivID = $rootchild->get_attribute("Id");
233         $IndivName = get_node($rootchild, "IndivName");
234         if ($IndivName)
235         {
236             $GivenName = find_content($IndivName, "GivenName");
237             $MaidenName = find_content($IndivName, "MaidenName");
238             $SurName = find_content($IndivName, "SurName");
239             $DeathStatus = find_content($rootchild, "DeathStatus");
240             $Gender = find_content($rootchild, "Gender");
241             $CompleteName = trim($GivenName) . " / ";
242             if ($Gender == "F" ) $CompleteName .= trim($MaidenName) . " /
243 "; else $CompleteName .= trim($SurName) . " / ";
244             $person = new Person;
245             $person->ID = $IndivID;
246             $person->Name = $CompleteName;
247             $person->Gender = $Gender;
248             $person->DeathStatus = $DeathStatus;
249             $person->familyIDchild = "Bite me";
250             array_push($People, $person);
251             $numPeople++;
252         }
253     }
254
255     if ($rootchild->tagname == "EventRec")
256     {
257         $EventID = $rootchild->get_attribute("Id");
258         $EventType = $rootchild->get_attribute("Type");
259
260         if ($EventType == "marriage")
261         {
262             $EventChildren = $rootchild->children();
263             foreach($EventChildren as $Participant)
264             {
265                 if ($Participant->tagname == "Participant")
266                 {
267                     $Role = find_content($Participant, "Role");
268                     $Id = find_attr($Participant, "Link", "Ref");
269
270                     if ($Role == 'husband') $husbFath = $Id;
271                     if ($Role == 'wife') $wifeMoth = $Id;
272                     if ($Role == 'child')

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270		
271	{	
272	addFamilyID(\$People, \$Id, \$EventID);	
273	addFatherID(\$People, \$Id, \$husbFath);	
274	addMotherID(\$People, \$Id, \$wifeMoth);	
275	}	
276	}	
277	\$dateNode = get_node(\$rootchild,"Date");	
278	\$newYear = trim(find_content(\$dateNode,"Year"));	
279	\$newMonth = formatMonth(trim(find_content(\$dateNode,"Month")));	
280	\$newDay = trim(find_content(\$dateNode,"Day"));	
281	\$eventDate = \$newYear . "-" . \$newMonth . "-" . \$newDay;	
282	\$event = new Event;	
283	\$event->setData(\$EventID, \$husbFath, \$wifeMoth, \$eventDate);	
284	array_push(\$Family,\$event);	
285	\$numMarriage++;	
286	}	
287		
288	if (\$EventType == "christening")	
289	{	
290	\$eventChildren = \$rootchild->children();	
291	foreach(\$eventChildren as \$Participant)	
292	{	
293	if (\$Participant->tagname == "Participant")	
294	{	
295	\$Role = find_content(\$Participant, "Role");	
296	\$Id = find_attr(\$Participant, "Link", "Ref");	
297		
298	//print "Participant Role = \$Role ID = \$Id ";	
299	if (\$Role == 'husband') \$husbFath = \$Id;	
300	if (\$Role == 'wife') \$wifeMoth = \$Id;	
301	}	
302	}	
303	\$dateNode = get_node(\$rootchild,"Date");	
304	if (\$dateNode)	
305	{	
306	\$newYear = trim(find_content(\$dateNode,"Year"));	
307	\$newMonth = formatMonth(trim(find_content(\$dateNode,"Month"))	
308);	
309	\$newDay = trim(find_content(\$dateNode,"Day"));	
310	\$eventDate = \$newYear . "-" . \$newMonth . "-" . \$newDay;	
311	\$newEventDate = date("Y-m-d",\$eventDate);	
312	}	
313	\$numChristening++;	
314	}	
315	if (\$EventType == "baptism")	
316	{	
317	\$eventChildren = \$rootchild->children();	
318	foreach(\$eventChildren as \$Participant)	
319	{	
320	if (\$Participant->tagname == "Participant")	
321	{	
322	\$Role = find_content(\$Participant, "Role");	
323	\$Id = find_attr(\$Participant, "Link", "Ref");	
324		
325	//print "Participant Role = \$Role ID = \$Id ";	
326	if (\$Role == 'baptisee') \$baptisee = \$Id;	
327	}	
328	}	
329	\$dateNode = get_node(\$rootchild,"Date");	
330	if (\$dateNode)	
331	{	
332	\$newYear = trim(find_content(\$dateNode,"Year"));	
333	\$newMonth = formatMonth(trim(find_content(\$dateNode,"Month"))	
334);	
335	\$newDay = trim(find_content(\$dateNode,"Day"));	
336	\$eventDate = \$newYear . "-" . \$newMonth . "-" . \$newDay;	
	\$newEventDate = date("Y-m-d",\$eventDate);	

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337	}	
338	\$numBaptism++;	
339	}	
340	}	
341		
342		
343	/*	
344	foreach (\$People as \$Person)	
345	{	
346	\$Person->printPerson();	
347	}	
348		
349	foreach (\$Family as \$event)	
350	{	
351	\$event->printEvent();	
352	}	
353	*/	
354		
355	\$newIDs = array();	
356	\$newEvents = array();	
357		
358	// Insert information into Database	
359	foreach (\$People as \$Person)	
360	{	
361	// make two passes, one creates the person and gets their unique ID	
362	// the next adds all the rest of the data (along with the	
363	// unique id's of the parents, families and such...	
364	\$insertQry = mysql_query("INSERT INTO tblPerson SET name='\$Person->Na	
365	me'", \$genealogy);	
366	if (!\$insertQry) { die ("insert Query failed!"); }	
367	\$getIDQry = mysql_query("SELECT ID FROM tblPerson WHERE name='\$Person	
368	->Name'", \$genealogy);	
369	if (!\$getIDQry) { die ("getID Query failed!"); }	
370	\$ref = mysql_fetch_row(\$getIDQry);	
371	\$newIDs[\$Person->ID] = \$ref[0];	
372	}	
373	foreach (\$Family as \$Event)	
374	{	
375	\$tempHusbID = \$newIDs[\$Event->husbID];	
376	\$tempWifeID = \$newIDs[\$Event->wifeID];	
377	\$tempDateCreated = date("Y-m-d");	
378	\$insertQry = mysql_query("INSERT INTO tblFamily SET husbID='\$tempHusb	
379	ID',wifeID='\$tempWifeID',marriageDate='\$Event->marriageDate', dateCreated='\$temp	
380	DateCreated'", \$genealogy);	
381	if (!\$insertQry) { die ("insert Query failed!"); }	
382	\$getIDQry = mysql_query("SELECT ID FROM tblFamily where husbID='\$temp	
383	HusbID' AND wifeID='\$tempWifeID'", \$genealogy);	
384	if (!\$getIDQry) { die ("getID Query failed!"); }	
385	\$ref = mysql_fetch_row(\$getIDQry);	
386	\$newEvents[\$Event->ID] = \$ref[0];	
387	}	
388		
389	// Now go back through and add all that data that we held off on	
390	foreach (\$People as \$Person)	
391	{	
392	\$tempFatherID = \$newIDs[\$Person->father];	
393	\$tempMotherID = \$newIDs[\$Person->mother];	
394	\$tempFamID = \$newEvents[\$Person->familyIDchild];	
395	\$tempPersonID = \$newIDs[\$Person->ID];	
396	\$tempDateCreated = date("Y-m-d");	
397		
398	\$modifyQry = mysql_query("UPDATE tblPerson SET father='\$tempFatherID'	
399	,mother='\$tempMotherID',familyIDchild='\$tempFamID', gender='\$Person->Gender',dec	
400	eased='\$Person->DeathStatus', DOB='\$Person->DOB',christening='\$Person->christeni	
401	ng',death='\$Person->death',dateCreated='\$tempDateCreated', baptism='\$Person->bap	
402	tism' WHERE ID='\$tempPersonID'", \$genealogy);	

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```
397
398     if (!$modifyQry) { die ("modify Query failed!"); }
399 }
400
401 // print out statistics
402 print "<table>";
403 print "<tr><td colspan=2>Number of -</tr>";
404 print "<tr><td></td><td>people records created - $numPeople</td><br>";
405 print "<tr><td></td><td>marriage records created - $numMarriage</td><br>";
406 print "<tr><td></td><td>christening records created - $numChristenings</td><br>";
407 print "<tr><td></td><td>baptism records created - $numBaptims</td><br>";
408 print "</table>";
409
```