XPath Expressions

* Access PIN:

/root/security/pin/text()

* Access Security Question:

/root/security/question/text()

* Access Answer to Security Question:

/root/security/answer/text()

* Access total of all expenses for all categories:

/root/data/total/text()

* Access total of all expenses for first category:

/root/data/category[@id="1"]/total/text()

* Access total of all expenses for second category:

/root/data/category[@id="2"]/total/text()

* Access total of all expenses for third category:

/root/data/category[@id="3"]/total/text()

* Access label name of first category:

/root/data/category[@id="1"]/label/text()

* Access total of all expenses for year 2019 of first category:

/root/data/category[@id="1"]/year[@id="2019"]/total/text()

* Access total of all expenses for February 2019 of first category:

/root/data/category[@id="1"]/year[@id="2019"]/month[@id="2"]/total/text()

* Access total of all expenses for February 13th, 2019 of first category:

/root/data/category[@id="1"]/year[@id="2019"]/month[@id="2"]/day[@id="13"]/total/text()

* Access total of all expenses for year 2019 of all categories:

sum(/root/data//year[@id="2019"]/total)

* Access total of all expenses for February 2019 of all categories:

sum(/root/data//year[@id="2019"]/month[@id="2"]/total)

* Access total of all expenses for February 13th, 2019 of all categories:

sum(/root/data//year[@id="2019"]/month[@id="2"]/day[@id="13"]/total)

* Access quantity of recorded years for first category:

count(/root/data/category[@id="1"]//year)

* Access quantity of recorded months for first category:

count(/root/data/category[@id="1"]//month)

* Access quantity of recorded days for first category:

count(/root/data/category[@id="1"]//day)

* Access quantity of recorded entries for first category:

count(/root/data/category[@id="1"]//entry)

* Access quantity of recorded years for all categories:

count(/root/data//year)

* Access quantity of recorded months for all categories:

count(/root/data//month)

* Access quantity of recorded days for all categories:

count(/root/data//day)

* Access quantity of recorded entries for all categories:

count(/root/data//entry)

Example XML File

<?xml version="1.0" encoding="UTF-8"?>  
<root xml:id="r">  
 <security xml:id="s">  
 <pin xml:id="p">1234</pin>  
 <question xml:id="q">What city were you born in?</question>  
 <answer xml:id="a">Seattle</answer>  
 </security>  
 <data xml:id="d">  
 <total xml:id="t">133.00</total>  
 <category xml:id="c-1">  
 <label xml:id="c-1-l">Food</label>  
 <total xml:id="c-1-t">7.00</total>  
 <year xml:id="c-1-2020">  
 <total xml:id="c-1-2020-t">7.00</total>  
 <month xml:id="c-1-2020-02">  
 <total xml:id="c-1-2020-02-t">7.00</total>  
 <day xml:id="c-1-2020-02-13">  
 <total xml:id="c-1-2020-02-13-t">7.00</total>  
 <entry xml:id="c-1-2020-02-13-1">  
 <amount xml:id="c-1-2020-02-13-1-a">5.00</amount>  
 <description xml:id="c-1-2020-02-13-1-d">Starbucks Venti Mocha</description>  
 </entry>  
 <entry xml:id="c-1-2020-02-13-2">  
 <amount xml:id="c-1-2020-02-13-2-a">2.00</amount>  
 <description xml:id="c-1-2020-02-13-2-d"></description>  
 </entry>  
 </day>  
 </month>  
 </year>  
 </category>  
 <category xml:id="c-2">  
 <label xml:id="c-2-l">Entertainment</label>  
 <total xml:id="c-2-t">34.00</total>  
 <year xml:id="c-2-2019">  
 <total xml:id="c-2-2019-t">34.00</total>  
 <month xml:id="c-2-2019-02">  
 <total xml:id="c-2-2019-02-t">15.00</total>  
 <day xml:id="c-2-2019-02-16">  
 <total xml:id="c-2-2019-02-16-t">15.00</total>  
 <entry xml:id="c-2-2019-02-16-1">  
 <amount xml:id="c-2-2019-02-16-1-a">15.00</amount>  
 <description xml:id="c-2-2019-02-16-1-d">Star Wars Movie Night</description>  
 </entry>  
 </day>  
 </month>  
 <month xml:id="c-2-2019-01">  
 <total xml:id="c-2-2019-01-t">19.00</total>  
 <day xml:id="c-2-2019-01-28">  
 <total xml:id="c-2-2019-01-28-t">8.00</total>  
 <entry xml:id="c-2-2019-01-28-1">  
 <amount xml:id="c-2-2019-01-28-1-a">8.00</amount>  
 <description xml:id="c-2-2019-01-28-1-d"></description>  
 </entry>  
 </day>  
 <day xml:id="c-2-2019-01-10">  
 <total xml:id="c-2-2019-01-10-t">11.00</total>  
 <entry xml:id="c-2-2019-01-10-1">  
 <amount xml:id="c-2-2019-01-10-1-a">11.00</amount>  
 <description xml:id="c-2-2019-01-10-1-d">Mini Golf</description>  
 </entry>  
 </day>  
 </month>  
 </year>  
 </category>  
 <category xml:id="c-3">  
 <label xml:id="c-3-l">Transportation</label>  
 <total xml:id="c-3-t">92.00</total>  
 <year xml:id="c-3-2019">  
 <total xml:id="c-3-2019-t">47.00</total>  
 <month xml:id="c-3-2019-01">  
 <total xml:id="c-3-2019-01-t">47.00</total>  
 <day xml:id="c-3-2019-01-16">  
 <total xml:id="c-3-2019-01-16-t">47.00</total>  
 <entry xml:id="c-3-2019-01-16-1">  
 <amount xml:id="c-3-2019-01-16-1-a">47.00</amount>  
 <description xml:id="c-3-2019-01-16-1-d"></description>  
 </entry>  
 </day>  
 </month>  
 </year>  
 <year xml:id="c-3-2018">  
 <total xml:id="c-3-2018-t">45.00</total>  
 <month xml:id="c-3-2018-12">  
 <total xml:id="c-3-2018-12-t">45.00</total>  
 <day xml:id="c-3-2018-12-03">  
 <total xml:id="c-3-2018-12-03-t">45.00</total>  
 <entry xml:id="c-3-2018-12-03-1">  
 <amount xml:id="c-3-2018-12-03-1-a">45.00</amount>  
 <description xml:id="c-3-2018-12-03-1-d">Gas</description>  
 </entry>  
 </day>  
 </month>  
 </year>  
 </category>  
 </data>  
</root>