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">

<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"/>

</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"/>

</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"/>

</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>

</root>