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>

<security>

<pin>1234</pin>

<question>What city were you born in?</question>

<answer>Seattle</answer>

</security>

<data>

<total>133.00</total>

<category id="1">

<label>Food</label>

<total>7.00</total>

<year id="2019">

<total>7.00</total>

<month id="2">

<total>7.00</total>

<day id="13">

<total>7.00</total>

<entry id="1">

<amount>5.00</amount>

<description>Starbucks Venti Mocha</description>

</entry>

<entry id="2">

<amount>2.00</amount>

<description></description>

</entry>

</day>

</month>

</year>

</category>

<category id="2">

<label>Entertainment</label>

<total>34.00</total>

<year id="2019">

<total>34.00</total>

<month id="2">

<total>15.00</total>

<day id="16">

<total>15.00</total>

<entry id="1">

<amount>15.00</amount>

<description>Star Wars Movie Night</description>

</entry>

</day>

</month>

<month id="1">

<total>19.00</total>

<day id="28">

<total>8.00</total>

<entry id="1">

<amount>8.00</amount>

<description></description>

</entry>

</day>

<day id="10">

<total>11.00</total>

<entry id="1">

<amount>11.00</amount>

<description>Mini Golf</description>

</entry>

</day>

</month>

</year>

</category>

<category id="3">

<label>Transportation</label>

<total>92.00</total>

<year id="2019">

<total>47.00</total>

<month id="1">

<total>47.00</total>

<day id="16">

<total>47.00</total>

<entry id="1">

<amount>47.00</amount>

<description></description>

</entry>

</day>

</month>

</year>

<year id="2018">

<total>45.00</total>

<month id="12">

<total>45.00</total>

<day id="3">

<total>45.00</total>

<entry id="1">

<amount>45.00</amount>

<description>Gas</description>

</entry>

</day>

</month>

</year>

</category>

</data>

</root>