Binome B3600

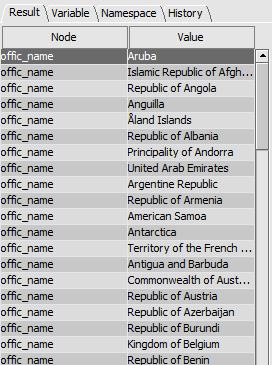
BRYANS Isabelle 04027212

SAREMI Zahra

Step 1:

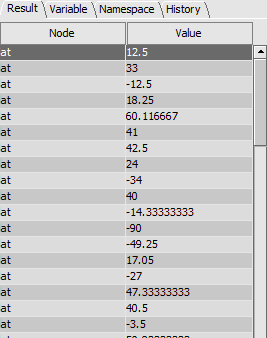
1.Give the XPath expressions to select the following: 1.the official names (country\_name/offic\_name) of thecountries

//country/country\_name/offic\_name



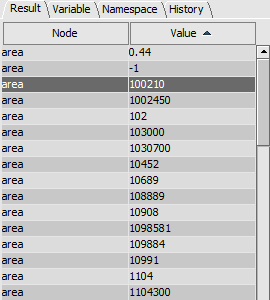
2.the latitude of each country

//country/coordinates/@lat



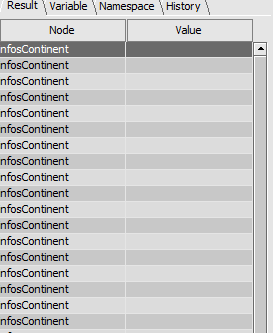
3.the area of each country

//@area



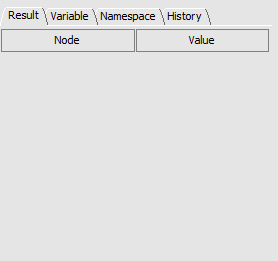
4.the official names of European countries (continent =Europe)

//country/infosContinent[continent='Europe']



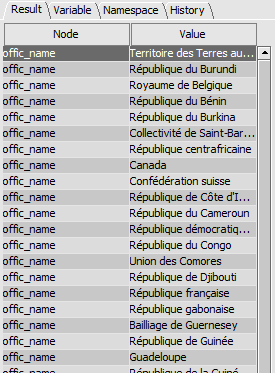
5.the common names of countries that do not haveany native name

//country/country\_name/native\_name[@lang=""]/common\_name

 (no results)

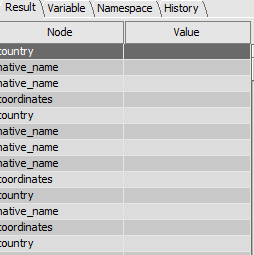
6.the official names of the countries expressed in French, forthose who have such names

//country/country\_name/native\_name[@lang="fra"]/offic\_name



7.elements with at least one attribute

//\*[@\*]



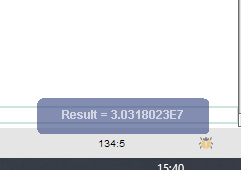
8. official names of the second native name of countries (for those who have)

//country/country\_name/native\_name[2]/offic\_name/text()



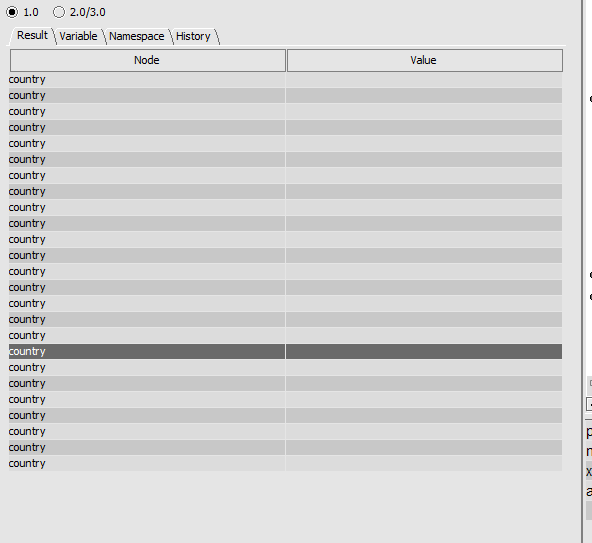
9.the sum of the surfaces (area) of the countries of Africa

sum(//country/infosContinent[continent="Africa"][/../@area](mailto:/../@area))



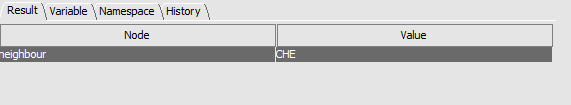
10.countries whose common name is not contained in theirofficial name

//country[country\_name[not (contains(offic\_name, common\_name))]]



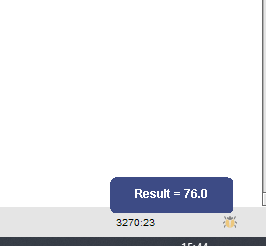
11.France's last neighbor

//country/country\_name[common\_name="France"]/../borders/neighbour[last()]



12.the position of France in the XML document

count(//country/country\_name[common\_name="France"]/../preceding-sibling::\*)+1



Step 2 :