```
#Code from this portion is used once in a written response.
#Import library classes
from pymap import Coordinates
from pymap import Infobox
from pymap import SVGMap
from pymap import MapData
#Create map from coordinates. The shapefile is located at ne_10m_admin_0_countries and is from
Natural Earth Data.
countries = ['Italy','France','Germany','Switzerland','Spain','United
Kingdom', 'Poland', 'Ukraine', 'Czechia', 'Portugal', 'Ireland', 'Belgium', 'Netherlands', 'Romania', 'Hungary
 ,'Republic of
Serbia','Slovakia','Luxembourg','Denmark','Norway','Iceland','Austria','Slovenia','Sweden','Moldova',
'Bulgaria','Greece','Finland','Belarus','Estonia','Latvia','Lithuania','Albania','Kosovo','Montenegro
','Croatia']
myMap = Coordinates('ne_10m_admin_0_countries',3,isl=5,height=600,width=1200,zoom=3,translate=
[150,125], countries=countries, res=100)
#Remove spaces
countriesNew = countries.copy()
countriesNew[5] = 'UnitedKingdom'
countriesNew[15] = 'RepublicofSerbia'
#Data sources: IKShPK (Kosovo), Worldometers (others)
cases =
[4159122,5877787,3602939,679510,3604799,4450777,2854079,2153864,1652840,842182,255672,1030071,1598164
,1072899,798147,706548,387523,69028,266503,119299,6537,637097,249310,1037126,253845,414192,377090,901
05,376341,127053,127978,265536,132015,106969,98852,350390]
myData = {'territory_list':countriesNew,'cases':cases,'original':countries}
myData = MapData(myData)
mySVGMap = SVGMap(myData,myMap)
#The cases dataset is used to color the map
mySVGMap['choropleth']['source'] = 'cases'
#Set colors
mySVGMap['choropleth']['colors']['r'] = [0,0]
mySVGMap['choropleth']['colors']['g'] = [0,0]
mySVGMap['choropleth']['colors']['b'] = [0,255]
#Create infobox
mySVGMap['infobox'] = Infobox()
mySVGMap['infobox'].addText('Country: ')
mySVGMap['infobox'].addText('data["data"]["data"]["original"][c]','int')
mySVGMap['infobox'].addText('COVID-19 Cases: ',line=1)
mySVGMap['infobox'].addText('data["data"]["data"]["cases"][c]','int')
#Set inputs
#Also calls Javascript function
#The ONLY place the functions showInfobox() and hideInfobox() are called is below
#They are automatically added to the HTML and Javascript
mySVGMap['inputs']['onHover'] = 'showInfobox([COUNTRY]);'
mySVGMap['inputs']['onMouseOut'] = 'hideInfobox([COUNTRY]);'
#Get javascript code
code = mySVGMap.returnCode()
```

#IMPORTANT: This Python code is not part of the library but uses it.

#Save code
file = open('autogenerated.js','w')
file.write(code)