Question:

Objective: Write the Test Case in java by getting all the URI from “datasetinstanceelements” JSON element for given set of “dataSetId’s” ( for e.g 8 & 9 ) and compare the datafile ( data1 to data8 ) with golden dataset i.e master file

Method signature for the testCase :

**public void compareGeneratedData(File generatedFilePath,**

**List<String> dataSetIds)**

Output :

**DataSetId: <id>, DataSetInstanceElementId : <id> , matchStatus: <true|false>**

If the generated data file is under the location.

**s3://generated/path1/path2/data1**

The location of the master file will be

**s3://master/path1/path2/data1**

Assume there are helper methods for the following

* String getMasterPath(String generatedPath)
* String getGeneratedData(String generatedPath).

Json Test Data File:

[

{

"id": 11,

**"dataSetId": 8,**

" dataSourceId": 0,

"dataAcquisitionTime": 1470323704,

"dataNominalStartTime": 1463962500,

"dataNominalEndTime": 1463963400,

"createTime": "2016-08-04 15:13:28.0",

"updateTime": "2016-08-04 15:13:28.0",

"state": "READY",

"**datasetinstanceelements**": [

{

"id": 11,

"uri": "s3://generated/path1/path2/data1",

"attribs": null,

"createTime": "2016-08-04 15:13:28.0",

"updateTime": "2016-08-04 15:13:28.0"

},

{

"id": 12,

"uri": "s3://generated/path1/path2/data2",

"attribs": null,

"createTime": "2016-08-04 15:13:28.0",

"updateTime": "2016-08-04 15:13:28.0"

},

{

"id": 13,

"uri": "s3://generated/path1/path2/data3",

"attribs": null,

"createTime": "2016-08-04 15:13:28.0",

"updateTime": "2016-08-04 15:13:28.0"

},

{

"id": 14,

"uri": "s3:// generated/path1/path2/data4",

"attribs": null,

"createTime": "2016-08-04 15:13:28.0",

"updateTime": "2016-08-04 15:13:28.0"

}

]

},

{

"id": 12,

**"dataSetId": 9,**

"dataSourceId": 0,

"dataAcquisitionTime": 1470323704,

"dataNominalStartTime": 1463962500,

"dataNominalEndTime": 1463963400,

"createTime": "2016-08-04 15:13:28.0",

"updateTime": "2016-08-04 15:13:28.0",

"state": "READY",

**"datasetinstanceelements**": [

{

"id": 11,

"uri": "s3://generated/path1/path2/data5",

"attribs": null,

"createTime": "2016-08-04 15:13:28.0",

"updateTime": "2016-08-04 15:13:28.0"

},

{

"id": 12,

"uri": "s3://generated/path1/path2/data6",

"attribs": null,

"createTime": "2016-08-04 15:13:28.0",

"updateTime": "2016-08-04 15:13:28.0"

},

{

"id": 13,

"uri": "s3://generated/path1/path2/data7",

"attribs": null,

"createTime": "2016-08-04 15:13:28.0",

"updateTime": "2016-08-04 15:13:28.0"

},

{

"id": 14,

"uri": "s3://generated/path1/path2/data8",

"attribs": null,

"createTime": "2016-08-04 15:13:28.0",

"updateTime": "2016-08-04 15:13:28.0"

}

]

}

]