**XQuery Exercise 4:** XQuery that generates Two Tables in an HTML file: a Table of People and a Table of Places, with associated line numbers, and cultural coding from rs[@type] and rs[@subtype] coding in the Pacific Poetry Collection.

xquery version "3.0";

declare default element namespace "http://www.tei-c.org/ns/1.0";

<html><head><title>Two Tables: of Persons and of Place Names in the Pacific Poetry Collection</title></head><body><table>{

let $coll := collection('/db/pacific/literary')

let $TEI := $coll/TEI

let $text := $coll//text

let $persNames := $text//persName | $text//rs[@type="person"]/@ana

let $Distpeople := distinct-values($persNames)

for $Distperson in $Distpeople

return

<tr>

<td>{normalize-space($Distperson)}</td>

{for $txt in $text

let $line := $txt//l[$Distperson=.//$persNames]/@n

let $title := $txt//l[$Distperson=.//$persNames]/ancestor::TEI//titleStmt/title/text()

let $para := $txt//p[$Distperson=.//$persNames]/position()

let $type := $txt//rs[not(@type='person')][$Distperson=.//$persNames]/@type

let $subtype := $txt//rs[not(@type='person')][$Distperson=.//$persNames]/@subtype

where count($title) gt 0

return

<td>

<tr>

<td>{$title}: Lines:{string-join(($line), ", ")}</td>

<td>Paragraphs (if any): {string-join(($para), ", ")}</td>

<td>rs @type values (if any): {string-join((distinct-values($type)), ", ")} </td>

<td>rs @type values (if any): {string-join((distinct-values($subtype)), ", ")} </td>

</tr>

</td>

}</tr>

}</table>

<table>

{

let $coll := collection('/db/pacific/literary')

let $TEI := $coll/TEI

let $text := $coll//text

let $placeNames := $text//placeName

let $Distplaces := distinct-values($placeNames)

for $Distplace in $Distplaces

return

<tr>

<td>{normalize-space($Distplace)}</td>

{for $txt in $text

let $line := $txt//l[$Distplace=.//$placeNames]/@n

let $title := $txt//l[$Distplace=.//$placeNames]/ancestor::TEI//titleStmt/title/text()

let $para := $txt//p[$Distplace=.//$placeNames]/position()

let $type := $txt//rs[$Distplace=.//$placeNames]/@type

let $subtype := $txt//rs[$Distplace=.//$placeNames]/@subtype

where count($title) gt 0

return

<td>

<tr>

<td>{$title}: Lines:{string-join(($line), ", ")}</td>

<td>Paragraphs (if any): {string-join(($para), ", ")}</td>

<td>rs @type values (if any): {string-join((distinct-values($type)), ", ")} </td>

<td>rs @type values (if any): {string-join((distinct-values($subtype)), ", ")} </td>

</tr>

</td>

}</tr>

}

</table>

</body></html>