

XML for Worldwide Web

Week 7 Assignment – XQuery

This week you started learning XQuery concepts. Follow the instructions below to complete 2 new codes.

Instructions: Below is an example code including the results, place this code in the BaseX editor. For this assignment, modify Example **Code 1** utilizing 3 different colors (for \$map) and 3 different numbers (for \$array). **For Code 2** – you will create your own code, utilize any of the examples provided this week or utilize a code in BaseX, make the code your own, **also, add a note explaining your code you developed**. Please note, if need to, review the concepts learned this week.

Example Code 1:

```
let $map := map { 'B': 'blue', 'Y': 'yellow', 'G': 'green' }
return (
  $map?*      (: returns all values; same as: map:keys($map) ! $map(.) :),
  $map?B      (: returns the value for key 'B'; same as: $map('B') :),
  $map?(Y, 'G') (: returns the values for key 'Y' and 'G' :)
),

let $array := [ 'one', 'two', 'three' ]
return (
  $array?*      (: returns all values; same as: (1 to array:size($array)) ! $array(.) :),
  $array?1      (: returns the first value; same as: $array(1) :),
  $array?(2 to 3) (: returns the second and third value; same as: (1 to 2) ! $array(.) :)
)
```

Example Results:

```
blue
green
yellow
blue
yellow
green
one
two
three
one
two
three
```

When completed submit the modified Code 1 and created Code 2 – code and results answers on Blackboard.