element Result {

(:iterating through each director:)

for $d in distinct-values(//Director/@Name)

(:actors for each director :)

let $disAcNam := distinct-values(//Movie[Director/@Name=$d]/Actor/@Name)

(:actors which appear more than once:)

let $duplicateActors := for $ac in $disAcNam

where count(//Movie[Director/@Name=$d and Actor/@Name=$ac])>=2

return $ac

(:Directors with atleast one such actor:)

where count($duplicateActors) > 0

return element Director {

attribute Name {$d},

attribute Country {distinct-values(//Director[@Name=$d]/@Country)},

attribute YearOfBirth {distinct-values(//Director[@Name=$d]/@YearOfBirth)},

for $dupAc in $duplicateActors

return element Actor {

attribute Name {$dupAc},

attribute Country {distinct-values(//Actor[@Name=$dupAc]/@Country)}

}

}

}

A screenshot of a computer program

Description automatically generated

<Movies Year=”” NumberOfMovies=””>

<Movie>

<Title>  
<Director> </Director> <Actor> numberofactors</Actor>

element Result{

for $year in distinct-values(//Movie/@Year)

let $mov:= for $m in //Movie[@Year=$year]

return element Movie

{

element Title{data($m/@Title)},

element Director{data($m/Director/@Name)},

element Actors{count(data($m/Actor/@Name))}

}

let $mov\_count:=count($mov)

order by year

return element Movies{attribute Year{$year},attribute NumberOfMovies{$mov\_count},

$mov

}

copy $copy:=(/)

modify(for $prod\_company in $copy//Movie/ProductionCompany[text()='Warner Bros']

return replace value of node $prod\_company with "Warner Brothers",

for $movie in $copy//Movie[@Title='Picking Up the Pieces']/@Title return

replace value of node $movie with "Picking Up the all the Pieces"

)

return $copy