

# SUMMARY!

## • XQuery

ex. for \$i in doc('staffs.xml')/staffs/staff

let \$a := 10

where \$i/@branchno = \$a

order by \$i/position

```
return <staffs>
      <staff>
        { $i/name/text() }
        { $i/position }
      </staff>
    </staffs>
```

1. Show staffs whose salary is greater than 15,000.
2. Show the first name and position of staffs who works in the branch number B005.
3. Show staffs who are males and whose position is manager.
4. Show the staff number, first name, last name and salary of all staffs. Arrange the result in descending order by salary.  
The result should show as follows:

```
<staffs>
<staff staffno="xx">
  <firstname> ... </firstname>
  <lastname> ... </lastname>
  <salary>. ...</salary>
</staff>
...
</staffs>
```

5. Show the staff whose staff number is SG14. The result should show as follows:

```
<data><staff staffno="SG14" position="Supervisor">David
Ford</staff></data>
```

1. <staffs>

for \$i in doc('staffs.xml')/staffs/staff

let \$a := 15000

where \$i/salary > \$a

return <staff> {\$i} </staff>

</staffs>

2. for \$i in doc('staffs.xml')/staffs/staff

where \$i/@branchno = "B005"

return <staffs>

<staff>

{ \$i/name/firstname/text() }

{ \$i/position }

</staff>

</staffs>

2.  $\exists i$

```
for $i in doc('staffs.xml')/staffs/staff[@branchno  
= "0005"]
```

```
return <staffs>  
  <staff>  
    { $i/name/firstname/text() }  
    { $i/position }  
  </staff>  
</staffs>
```

3. for \$i in doc('staffs.xml')/staffs/staff

where \$i/sex = " M " and \$i/position = "Manager"

```
return <staffs>  
  { $i }  
</staffs>
```

4. for \$i in doc('staffs.xml')/staffs/staff  
order by \$/salary/number() descending

return <staffs>

<staff staffno="{ \$i/@staffno }">

<firstname>{ \$i/name/firstname }</firstname>

<lastname>{ \$i/name/lastname } </lastname>

<salary> { \$i/salary } </salary>

</staff>

</staffs>

5. <data>{  
for \$i in doc('staffs.xml')/staffs/staff[@staffno="SG14"]

return

<staff salary="{ { \$i/salary } }", staffno="{ { \$i/@staffno } }">

{ \$i/name/firstname/text(), " ", \$i/name/lastname/text() }

</staff> }

</data>