

```

xquery version "1.0";

declare namespace ext="http://www.altova.com/xslt-extensions";

(:
1.1
for $item in doc("Appointments.xml")//Beginn
order by $item/@datum ascending
return $item
:)

(:
1.2
<AlleSerientermine>
{
for $item in doc("Appointments.xml")/TerminListe/Termin[@serienTermin = 'ja']/Beginn
order by $item/@datum ascending
return $item
}
</AlleSerientermine>
:)

(:
1.3
for $item in doc("Appointments.xml")/TerminListe/Termin[@serienTermin = 'ja']/Beginn
order by $item/@datum ascending
return <SerienTermin>{$item}</SerienTermin>
:)

(:
1.4
for $item in doc("Appointments.xml")/TerminListe/Termin[@serienTermin = 'ja']
order by $item/Beginn/@datum ascending
return <SerienTermin>{$item/Beschreibung}</SerienTermin>
:)

(: 1.5
for $item in doc("Appointments.xml")/TerminListe/Termin[@serienTermin = 'ja']
order by $item/Beginn/@datum ascending
return if (exists($item/Beschreibung)) then <Termin>{$item/Beschreibung}</Termin>
else ()

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:)
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(: 1.6
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```
let $items := distinct-values(doc("RoomList.xml")//Raum/Details[@sitzPlätze > 150])
```

```
return exists($items)
```

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:)
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(: 1.7
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```
for $item in doc("Appointments.xml")/TerminListe/Termin[@serienTermin = 'ja']
```

```
order by $item/@datum ascending
```

```
return <SerienTermin ersteller="{ $item/@terminErsteller}" erstellDatum="{ $item/@erstellDatum}"  
verschiebbar="{ $item/@verschiebbar}">{ $item/Beschreibung}</SerienTermin>
```

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```
(: 1.8
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```
for $item in doc("Appointments.xml")/TerminListe/Termin
```

```
order by $item/@datum ascending
```

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:)
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(: 1.9
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```
for $item in doc("PersonList.xml")/PersonenListe/Person
```

```
order by $item/@id ascending
```

```
return <Person name="{ $item/@vorname}"  
anzahlTermine="{sum($item/TerminEintrag/@terminNr)}"></Person>
```

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```
(: 1.10
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```
for $item in distinct-values(doc("PersonList.xml")//TerminEintrag/@terminNr)
```

```
return element{concat('T', $item)}
```

```
{
```

```
    for $person in doc("PersonList.xml")//Person
```

```
    where $item = $person/TerminEintrag/@terminNr
```

```
    return $person
```

```
}
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(: 1.11
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```
for $item in doc("Appointments.xml")//Termin
```

```
return <Termin number="{ $item/Nummer}" terminErsteller="{ $item/@terminErsteller}"  
erstellDatum="{ $item/@erstellDatum}" verschiebbar="{ $item/@verschiebbar}"  
serienTermin="{ $item/@serienTermin}">{ $item/* except Nummer}</Termin>
```

:)

(: 1.12

```
for $appointment in doc("Appointments.xml")/TerminListe/Termin, $person in
doc("PersonList.xml")//Person

where $appointment/@terminErsteller = $person/@id

return <Person id="{ $person/@id}" vorname="{ $person/@vorname}" nachname="{ $person/@nachname}"
terminBeschreibung="{ $appointment/Beschreibung}" ></Person>

:)
```

(: 1.13

```
for $appointment in doc("Appointments.xml")/TerminListe/Termin, $person in
doc("PersonList.xml")//Person

return <Person id="{ $person/@id}" vorname="{ $person/@vorname}"
nachname="{ $person/@nachname}">{ $appointment/(Beginn, Ende, Dauer, Beschreibung,
Benachrichtigung) }</Person>

:)
```

(: 1.14

```
for $person in doc("PersonList.xml")//Person

return <Person id="{ $person/@id}" vorname="{ $person/@vorname}" nachname="{ $person/@nachname}">

<TerminEinträge>

{

for $item in doc("Appointments.xml")/TerminListe/Termin[Nummer =
$person/TerminEintrag/@terminNr]

return <Termin nummer="{ $item/Nummer}">{ $item/(Beginn, Ende, Dauer, Beschreibung,
Benachrichtigung) }</Termin>

}

</TerminEinträge></Person>

:)
```

(: 1.15 ???????????????

```
for $appointment in doc("Appointments.xml")//Termin,
$person in doc("PersonList.xml")//Person,
$room in doc("RoomList.xml")//Raum

where ($appointment/Nummer = $person/TerminEintrag/@terminNr)

and ( $person/TerminEintrag/@terminNr = $room/Belegung/@terminNr)

return <Termin beschreibung="{ $appointment/Beschreibung}"
teilnehmer="{concat($person/@nachname, concat(' ', $person/@vorname))}"
raum="{ $room/@id}"></Termin>

:)
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(: 1.16

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for $room in doc("RoomList.xml")//Raum
return <Raum nummer="{ $room/@id}">

{

for $appointment in doc("Appointments.xml")//Termin[Nummer =
$room/Belegung/@terminNr]/Beschreibung

return $appointment

}

</Raum>

:)

(: 1.17 :)

for $appointment in doc("Appointments.xml")//Termin
return if ($appointment/@verschiebbar = 'ja' and $appointment/@serienTermin = 'ja') then (
    <Verschiebbar_Serie>{concat($appointment/Nummer, (
        if (exists($appointment/Beschreibung)) then (
            concat(' ', $appointment/Beschreibung)
        )
        else ())}</Verschiebbar_Serie>
)
else if ($appointment/@verschiebbar = 'ja' and $appointment/@serienTermin = 'nein') then (
    <Verschiebbar_KeineSerie>{concat($appointment/Nummer, (
        if (exists($appointment/Beschreibung)) then (
            concat(' ', $appointment/Beschreibung)
        )
        else ())}</Verschiebbar_KeineSerie>
)
else if ($appointment/@verschiebbar = 'nein' and $appointment/@serienTermin = 'ja') then (
    <NichtVerschiebbar_Serie>{concat($appointment/Nummer, (
        if (exists($appointment/Beschreibung)) then (
            concat(' ', $appointment/Beschreibung)
        )
        else ())}</NichtVerschiebbar_Serie>
)
else if ($appointment/@verschiebbar = 'nein' and $appointment/@serienTermin = 'nein') then (
    <NichtVerschiebbar_KeineSerie>{concat($appointment/Nummer, (
        if (exists($appointment/Beschreibung)) then (
            concat(' ', $appointment/Beschreibung)
        )
        else ())}</NichtVerschiebbar_KeineSerie>
)
)

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else ()
```