



MHDSVN

Anonymkod/Anonymous code: MHDSVN

TENTAMEN/EXAMINATION

SDXML VT2024

Modeller och språk för hantering av Tentamen/Written exam 3,5 hp/hec IB166N (SU) XMLT AF

Torsdag/Thursday 2024-05-30 09:00-13:00												äng ints	Betyg Grade
Markera besvarade frågor med 'X' / Mark answered questions with 'X'												'X'	Antal blad
1	2	3	4	5	6	7	8	9	10	11	12		# sheets
~	<u> </u>	~	V	V									7
Val	kt kon	itrolle	rat an	tal bl	ad:							71.	7.

Obs! Denna sida måste ligga överst - This page should be placed in front Avlägsna tomma blad före inlämningen Remove empty sheets before handing in the exam Fyll i samtliga uppgifter på sidhuvudet på varje blad Please fill in all information in the header on each sheet







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Mell-formed XML contirms the XML is properly structured according to the rules of extensible markup language. It checks wellier rules such as every dement is comes in side root Node, elements have proper starting and end elements. Close tags are in the correct order Those are some of the validations happens. In the correct order Albose are requirement are met, It is a well-formed XML document.

2)

3) Processing instruction comes befor the root element,
It usually Instruct the XML engine about how to
process the XML document. If shope of the processing
Instruction is as bellow.

<? name ?>

4) ISON schema itself is a Ison object which specification shape of the Ison object. Ison schema specification the Attributes of the Ison, Properties of Ison object. Required fields, Length of the properties, maximum and minimum values. Whether it accept the additional properties or not.

Ison schema can not be attached to Ison document. Instead the validation can be performed in application level.

5) Shareding is a process of entracting XML document into a attentic values. This is useful when we update XML field of databases, by shreding we can entract some part of the XML to atomic values and update it to the database columns.



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Scaler Vedor graphic is an XML based Language which is used for create vedor graphic such as basic shapes such as circles, squares, or complex shapes using coordinates, It allows us to color shapes. It will simply allows us to create graphics using XML like language.





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```
{"name": "pedik",
"colors": ["white", "brown", 'yellow"],
"slzes": [

"code": "0001",
"price": 220

},

{"code": "0002",
"Price": 110,
"avallable": true
}

J,
"avallable": true
```



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(Parks > redundancy integrs = "20">

Very name = "rark 1" Size = "1000">

Very name = "1000"> < Tree Type In Park Number = "1", Planted = "2000-01-02"/>
number = "2" Planted = "2002-03-10"/> Streetype In Park Stree Type In Park number="3" Planted = "1989-12-30"/> </transport (TreeType name = "Orke" maximum Height = "20" average Lifein
 Years = "70" > <Tree Type In Park number = "1" planted = "1994-03-09"/>
<Tree Type In Park number = "2" planted = "1996-04-12"/> 41reeType > UPark > (Park name = "Park 2" Slee = "10500" > (TreeType name = "Willow" maximum Height = "30" average Life 14
years = 1130"> < TreeType InPark number = "10" Planted = "1993-12-30"/>
KreeType InPark number = "11" Planted = "1990-12-25"/> L/Tree Type> </r>
//ark > Tree types parts L/Parks>

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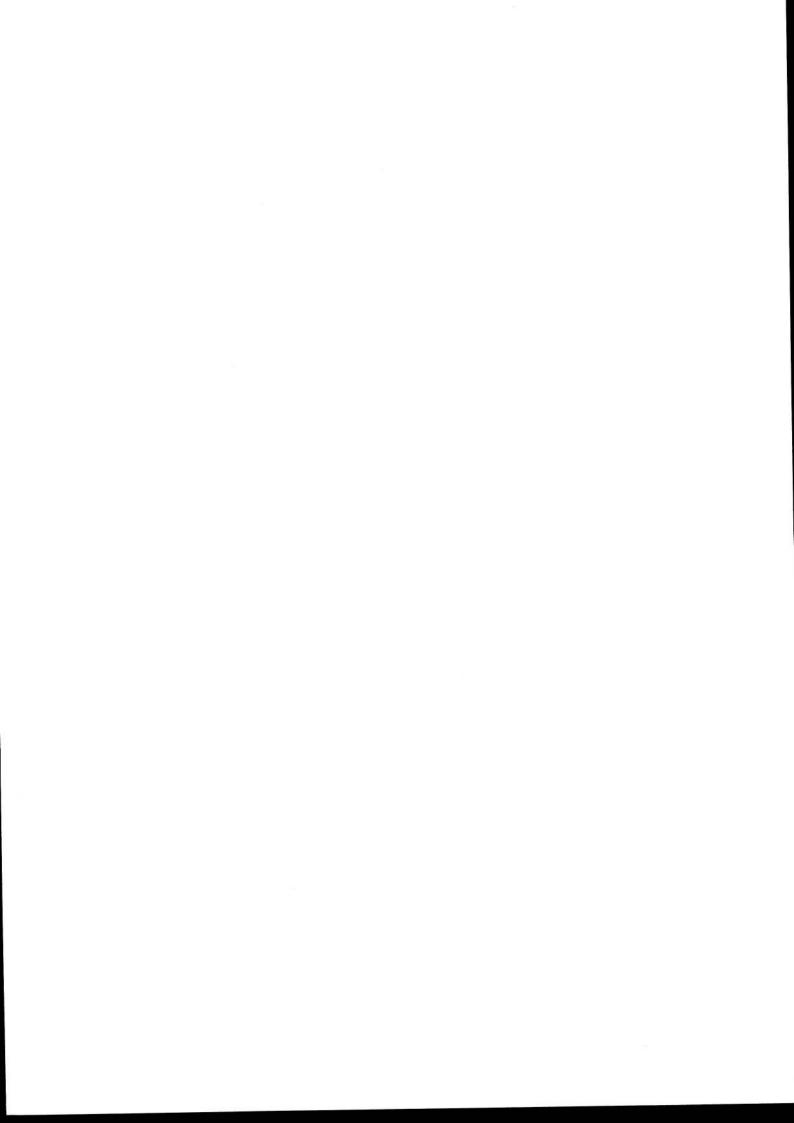
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```
(a) element Genres {
for $9n in distinct-values (11 Genre)
      led pml:=for $m in /Movie [Genre = $gn]
return clement Movie }
attribute Title { ($m/@Title)}
                     attibute Number Of Other Genres {
                        count ($m/Genre [talt) = not (text() = $gn]]
        return element Genre &
             attribute Name { $94 } ,
       } $m1
(b) element Result &
      for $91 in distinct-values (11 George)
          letishos: = for $sh in // Movie [Genre=$gu] // showing
                         return element showing {
                           attribute movie { $$h/@starttime, attribute movie { $$h/.../../@title },
                          attribute chema { $sh/./ename },
                           $sh/@hall
        return element Genre 5
            attribute name & $9n3,
        3 pshos
```





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<xsl: transform version = "1.0" xmlns=" >
<xsl: output method = "html"/> (xsl: template match 2"1">

@name = pr following: Einema/@name)]>

l : apply-templates> < xslitemplate> < xsl: template match = "cinema">



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```
Soled code as "Code",
at name as "Name",

XMLQuery ("max ("fr // Rate)" passing as rates as "r")

as "Highest Rate Ever"
```

from Bank b Inner john AcamtType at inner john b. code 2 at. bank
How many rows per bank?

(b) select XMLElement (NAME: "Result",

xmlattilides (name as "Name", code as

XMLRGG " "Code"),

xm/element (Name "AccountType",
xm/elements"
xm/attributes (aliname as "Name")

))

b. code = at. bank

free Withdrawals?