XQUERY:

Query1:Print the hostel phone number, where hostel id is H03.

```
for $x in /UNIVERSITY/HOSTELS/HOSTEL
where $x/@HID="H03"
return $x/HPHONE
```

```
for $x in /UNIVERSITY/HOSTELS/HOSTEL
where $x/@HID="H03"
return $x/HPHONE
```
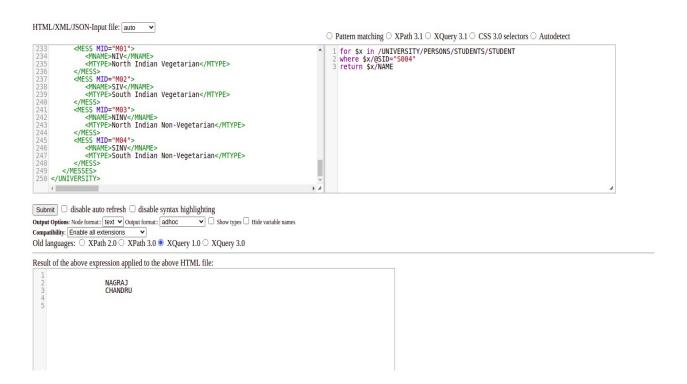
XML: [Test] [Save] [Color] [Format]

INFO - XQuery completed (compiled in 1ms, evaluated in 3ms)

```
<?xml version="1.0" encoding="UTF-8"?>
<HPHONE>040-2345345</HPHONE>
```

Query2:Print all the departments ids

```
for $x in /UNIVERSITY/DEPARTMENTS/DEPARTMENT
where $x!=null
return $x/@DID
```

HTML/XML/JSON-Input file: [auto ▾]

◯ Pattern matching ◯ XPath 3.1 ◯ XQuery 3.1 ◯ CSS 3.0 selectors ◯ Autodetect

```
233        <MESS MID="M01">
234            <MNAME>NIV</MNAME>
235            <MTYPE>North Indian Vegetarian</MTYPE>
236        </MESS>
237        <MESS MID="M02">
238            <MNAME>SIV</MNAME>
239            <MTYPE>South Indian Vegetarian</MTYPE>
240        </MESS>
241        <MESS MID="M03">
242            <MNAME>NINV</MNAME>
243            <MTYPE>North Indian Non-Vegetarian</MTYPE>
244        </MESS>
245        <MESS MID="M04">
246            <MNAME>SINV</MNAME>
247            <MTYPE>South Indian Non-Vegetarian</MTYPE>
248        </MESS>
249    </MESSES>
250 </UNIVERSITY>
```

```
1 for $x in /UNIVERSITY/DEPARTMENTS/DEPARTMENT
2 where $x!=null
3 return $x/@DID
```

[Submit] ☐ disable auto refresh ☐ disable syntax highlighting

Output Options: Node format:: [text ▾] Output format:: [adhoc ▾] ☐ Show types ☐ Hide variable names
Compatibility: [Enable all extensions ▾]
Old languages: ◯ XPath 2.0 ◯ XPath 3.0 ◉ XQuery 1.0 ◯ XQuery 3.0

Result of the above expression applied to the above HTML file:

```
1 CSE
2 EE
3 CE
4 ME
5 ED
6
```

Query3:Name of the student,whose student id is 004

```
for $x in /UNIVERSITY/PERSONS/STUDENTS/STUDENT
where $x/@SID="S004"
return $x/NAME
```

HTML/XML/JSON-Input file: auto

○ Pattern matching ○ XPath 3.1 ○ XQuery 3.1 ○ CSS 3.0 selectors ○ Autodetect

```
233        <MESS MID="M01">
234            <MNAME>NIV</MNAME>
235            <MTYPE>North Indian Vegetarian</MTYPE>
236        </MESS>
237        <MESS MID="M02">
238            <MNAME>SIV</MNAME>
239            <MTYPE>South Indian Vegetarian</MTYPE>
240        </MESS>
241        <MESS MID="M03">
242            <MNAME>NINV</MNAME>
243            <MTYPE>North Indian Non-Vegetarian</MTYPE>
244        </MESS>
245        <MESS MID="M04">
246            <MNAME>SINV</MNAME>
247            <MTYPE>South Indian Non-Vegetarian</MTYPE>
248        </MESS>
249    </MESSES>
250 </UNIVERSITY>
```

```
1 for $x in /UNIVERSITY/PERSONS/STUDENTS/STUDENT
2 where $x/@SID="S004"
3 return $x/NAME
```

Submit ☐ disable auto refresh ☐ disable syntax highlighting

Output Options: Node format:: text ▾ Output format:: adhoc ▾ ☐ Show types ☐ Hide variable names
Compatibility: Enable all extensions ▾
Old languages: ○ XPath 2.0 ○ XPath 3.0 ◉ XQuery 1.0 ○ XQuery 3.0

Result of the above expression applied to the above HTML file:

```
1
2        NAGRAJ
3        CHANDRU
4
5
```

Query4:Name of the faulty,whose designation is professor

for $x in /UNIVERSITY/PERSONS/STAFF/FACULTY
where $x/FDESIGNATION="professor"
return $x/NAME

```
233        <MESS MID="M01">
234            <MNAME>NIV</MNAME>
235            <MTYPE>North Indian Vegetarian</MTYPE>
236        </MESS>
237        <MESS MID="M02">
238            <MNAME>SIV</MNAME>
239            <MTYPE>South Indian Vegetarian</MTYPE>
240        </MESS>
241        <MESS MID="M03">
242            <MNAME>NINV</MNAME>
243            <MTYPE>North Indian Non-Vegetarian</MTYPE>
244        </MESS>
245        <MESS MID="M04">
246            <MNAME>SINV</MNAME>
247            <MTYPE>South Indian Non-Vegetarian</MTYPE>
248        </MESS>
249    </MESSES>
250 </UNIVERSITY>
```

```
1 for $x in /UNIVERSITY/PERSONS/STAFF/FACULTY
2 where $x/FDESIGNATION="professor"
3 return $x/NAME
```

Submit ☐ disable auto refresh ☐ disable syntax highlighting

Output Options: Node format:: text ▾ Output format:: adhoc ▾ ☐ Show types ☐ Hide variable names
Compatibility: Enable all extensions ▾
Old languages: ○ XPath 2.0 ○ XPath 3.0 ◉ XQuery 1.0 ○ XQuery 3.0

Result of the above expression applied to the above HTML file:

```
1
2            P. Sreenivasa
3     Kumar
4
5
```
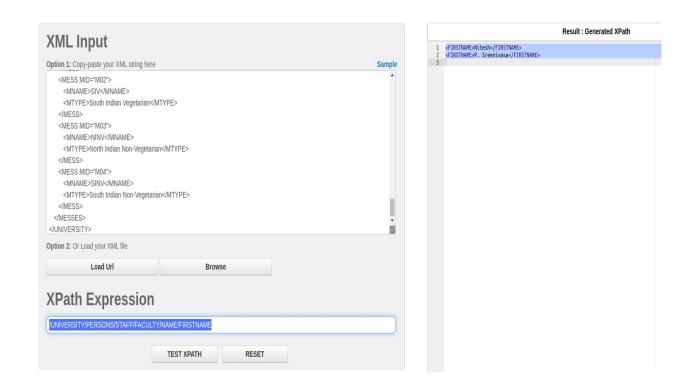
XPATH

XPath1: Selects the second student element that is the child of the students element.
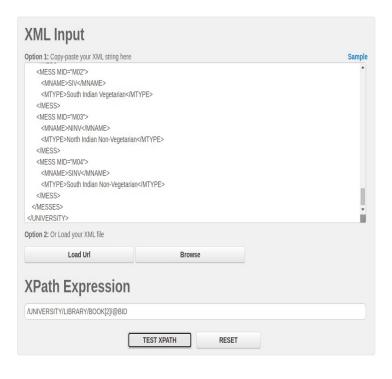
//STUDENT[2]

XPath2: Select all faculty's first name

/UNIVERSITY/PERSONS/STAFF/FACULTY/NAME/FIRSTNAME

Xpath3:Select the second book elements bid

/UNIVERSITY/LIBRARY/BOOK[2]/@BID

XPath4:Print the gymkhana address

/UNIVERSITY/GYMKHANA

XML Input

Option 1: Copy-paste your XML string here   **Sample**

```
        <MESS MID="M02">
          <MNAME>SIV</MNAME>
          <MTYPE>South Indian Vegetarian</MTYPE>
        </MESS>
        <MESS MID="M03">
          <MNAME>NINV</MNAME>
          <MTYPE>North Indian Non-Vegetarian</MTYPE>
        </MESS>
        <MESS MID="M04">
          <MNAME>SINV</MNAME>
          <MTYPE>South Indian Non-Vegetarian</MTYPE>
        </MESS>
      </MESSES>
    </UNIVERSITY>
```

Option 2: Or Load your XML file

Load Url	Browse

XPath Expression

/UNIVERSITY/GYMKHANA/GMADDRESS

TEST XPATH	RESET

Result : Generated XPath

```
1  <GMADDRESS>Block no. 6,IIT Madras,Chennai</GMADDRESS>
2
```

 Xpath5:Print the author of second book element

//BOOK[2]/AUTHOR

XML Input

Option 1: Copy-paste your XML string here

Sample

```
    <MESS MID="M02">
      <MNAME>SIV</MNAME>
      <MTYPE>South Indian Vegetarian</MTYPE>
    </MESS>
    <MESS MID="M03">
      <MNAME>NINV</MNAME>
      <MTYPE>North Indian Non-Vegetarian</MTYPE>
    </MESS>
    <MESS MID="M04">
      <MNAME>SINV</MNAME>
      <MTYPE>South Indian Non-Vegetarian</MTYPE>
    </MESS>
  </MESSES>
</UNIVERSITY>
```

Option 2: Or Load your XML file

Load Url	Browse

XPath Expression

//BOOK[2]/AUTHOR

TEST XPATH	RESET

Result : Generated XPath

```
1  <AUTHOR>Stuart Russell, Peter Norvig</AUTHOR>
2
```

Xpath6:Print Mess type for mess id M03

/UNIVERSITY/MESSES/MESS[@MID="M03"]/MTYPE

XML Input

Option 1: Copy-paste your XML string here   Sample

```
    <MESS MID="M02">
      <MNAME>SIV</MNAME>
      <MTYPE>South Indian Vegetarian</MTYPE>
    </MESS>
    <MESS MID="M03">
      <MNAME>NINV</MNAME>
      <MTYPE>North Indian Non-Vegetarian</MTYPE>
    </MESS>
    <MESS MID="M04">
      <MNAME>SINV</MNAME>
      <MTYPE>South Indian Non-Vegetarian</MTYPE>
    </MESS>
  </MESSES>
</UNIVERSITY>
```

Option 2: Or Load your XML file

Load Url	Browse

XPath Expression

/UNIVERSITY/MESSES/MESS[@MID="M03"]/MTYPE

TEST XPATH   **RESET**

Result : Generated XPath

```
1  <MTYPE>North Indian Non-Vegetarian</MTYPE>
2
```

XPath7:Print Hostels Security numbers

/UNIVERSITY/HOSTELS/HOSTEL/HSECURITYNO

XML Input

Option 1: Copy-paste your XML string here   Sample

```
    <MESS MID="M02">
      <MNAME>SIV</MNAME>
      <MTYPE>South Indian Vegetarian</MTYPE>
    </MESS>
    <MESS MID="M03">
      <MNAME>NINV</MNAME>
      <MTYPE>North Indian Non-Vegetarian</MTYPE>
    </MESS>
    <MESS MID="M04">
      <MNAME>SINV</MNAME>
      <MTYPE>South Indian Non-Vegetarian</MTYPE>
    </MESS>
  </MESSES>
</UNIVERSITY>
```

Option 2: Or Load your XML file

Load Url	Browse

XPath Expression

/UNIVERSITY/HOSTELS/HOSTEL/HSECURITYNO

TEST XPATH	RESET

Result : Generated XPath

```
1  <HSECURITYNO>041:2342456</HSECURITYNO>
2  <HSECURITYNO>041:3565443</HSECURITYNO>
3  <HSECURITYNO>041:3462456</HSECURITYNO>
4
```