

1. Nombre de la Universidad:

```
Found 1 results for expression '/universidad/nombre/text()'
Found node of type Text with value 'Universidad de Victoria' at line 5
The expression '/universidad/nombre/text()' took 0.009 seconds to evaluate
```

2. Pais de la Universidad:

```
Found 1 results for expression '/universidad/pais/text()'
Found node of type Text with value 'España' at line 7
The expression '/universidad/pais/text()' took 0.004 seconds to evaluate
```

3. Nombres de las Carreras:

```
Found 6 results for expression '//carrera/nombre/text()'
Found node of type Text with value 'I.T. Informática' at line 14
Found node of type Text with value 'Dipl. Empresariales' at line 21
Found node of type Text with value 'Dipl. Relaciones Laborales' at line 28
Found node of type Text with value 'Lic. Química' at line 36
Found node of type Text with value 'Lic. Biología' at line 43
Found node of type Text with value 'Lic. Humanidades' at line 50
The expression '//carrera/nombre/text()' took 0.004 seconds to evaluate
```

4. Años de plan de estudio de las carreras:

```
Found 6 results for expression '//carrera/plan/text()'
Found node of type Text with value '2003' at line 15
Found node of type Text with value '2001' at line 22
Found node of type Text with value '2001' at line 29
Found node of type Text with value '2003' at line 37
Found node of type Text with value '2001' at line 44
Found node of type Text with value '1980' at line 51
The expression '//carrera/plan/text()' took 0.003 seconds to evaluate
```

5. Nombres de todos los alumnos:

```
Found 4 results for expression '//alumno/nombre/text()'
Found node of type Text with value 'Víctor Manuel' at line 134
Found node of type Text with value 'Luisa' at line 150
Found node of type Text with value 'Fernando' at line 166
Found node of type Text with value 'María' at line 182
The expression '//alumno/nombre/text()' took 0.003 seconds to evaluate
```

6. Identificadores de todas las carreras:

```
xPath Query: //carrera/@id
```

```
[Line 13] id: c01  
[Line 20] id: c02  
[Line 27] id: c03  
[Line 35] id: c04  
[Line 42] id: c05  
[Line 49] id: c06
```

7. Datos de la carrera cuyo id es c01:

```
xPath Query: //carrera[@id="c01"]/node()
```

```
[Line 13] null:  
  
[Line 14] nombre: I.T. Informática  
[Line 14] null:  
  
[Line 15] plan: 2003  
[Line 15] null:  
  
[Line 16] credits: 250  
[Line 16] null:  
  
[Line 17] centro: Escuela de Informática  
[Line 17] null:
```

8. Centro en que se estudia de la carrera cuyo id es c02:

```
Found 1 results for expression '//carrera[@id="c02"]/centro/text()'  
Found node of type Text with value 'Facultad de Ciencias Sociales' at line 24  
The expression '//carrera[@id="c02"]/centro/text()' took 0.003 seconds to evaluate
```

9. Nombre de las carreras que tengan subdirector:

```
Found 1 results for expression '//carrera[subdirector]/nombre/text()'  
Found node of type Text with value 'Dipl. Relaciones Laborales' at line 28  
The expression '//carrera[subdirector]/nombre/text()' took 0.004 seconds to evaluate
```

10. Nombre de los alumnos que estén haciendo proyecto:

```
Found 6 results for expression '//alumno[estudios/proyecto]/  
nombre/text()|//alumno[estudios/proyecto]/apellido1/text()|//  
alumno[estudios/proyecto]/apellido2/text()'  
Found node of type Text with value 'Pérez' at line 148  
Found node of type Text with value 'García' at line 149  
Found node of type Text with value 'Luisa' at line 150  
Found node of type Text with value 'Avalón' at line 180  
Found node of type Text with value 'Jiménez' at line 181  
Found node of type Text with value 'María' at line 182  
The expression '//alumno[estudios/proyecto]/nombre/text()|//alumno  
[estudios/proyecto]/apellido1/text()|//alumno[estudios/proyecto]/  
apellido2/text()' took 0.005 seconds to evaluate
```

11. Códigos de las carreras en las que hay algún alumno matriculado:

```
XPath Query: //estudios/carrera/@codigo
```

```
[Line 137] codigo: c01  
[Line 153] codigo: c02  
[Line 169] codigo: c02  
[Line 185] codigo: c01
```

12. Apellidos y Nombre de los alumnos con beca:

```
Found 3 results for expression '//alumno[@beca="si"]/apellido1/text()//alumno[@beca="si"]/apellido2/text()//alumno[@beca="si"]/nombre/text()'  
Found node of type Text with value 'Pérez' at line 164  
Found node of type Text with value 'Romero' at line 165  
Found node of type Text with value 'Fernando' at line 166  
The expression '//alumno[@beca="si"]/apellido1/text()//alumno[@beca="si"]/apellido2/text()//alumno[@beca="si"]/nombre/text()' took 0.005 seconds to evaluate
```

13. Nombre de las asignaturas de la titulación c04:

```
Found 2 results for expression '//asignatura[@titulacion="c04"]/nombre/text()'  
Found node of type Text with value 'Pedagogía' at line 91  
Found node of type Text with value 'Tecnología de los Alimentos' at line 105  
The expression '//asignatura[@titulacion="c04"]/nombre/text()' took 0.002 seconds to evaluate
```

14. Nombre de las asignaturas de segundo trimestre:

```
Found 5 results for expression '//asignatura[trimestre=2]/nombre/text()'  
Found node of type Text with value 'Ingeniería del Software' at line 70  
Found node of type Text with value 'Pedagogía' at line 91  
Found node of type Text with value 'Didáctica' at line 98  
Found node of type Text with value 'Tecnología de los Alimentos' at line 105  
Found node of type Text with value 'Historia del Pensamiento' at line 119  
The expression '//asignatura[trimestre=2]/nombre/text()' took 0.003 seconds to evaluate
```

15. Nombre de las asignaturas que no tienen 4 créditos teóricos:

```
Found 5 results for expression '//asignatura[creditos_teoricos!=4]/nombre/text()'  
Found node of type Text with value 'Ofimática' at line 63  
Found node of type Text with value 'Ingeniería del Software' at line 70  
Found node of type Text with value 'Tecnología de los Alimentos' at line 105  
Found node of type Text with value 'Bases de Datos' at line 112  
Found node of type Text with value 'Historia del Pensamiento' at line 119  
The expression '//asignatura[creditos_teoricos!=4]/nombre/text()' took 0.003 seconds to evaluate
```

16. Código de la carrera que estudia el último alumno:

```
xPath Query: //alumno[last()]/estudios/carrera/@codigo
```

```
[Line 185] codigo: c01
```

17. Código de las asignaturas que estudian mujeres:

```
xPath Query: //alumno[sexo='Mujer']/estudios/asignaturas/asignatura/@codigo
```

```
[Line 155] codigo: a02
```

```
[Line 156] codigo: a01
```

```
[Line 187] codigo: a02
```

```
[Line 188] codigo: a01
```

```
[Line 189] codigo: a07
```

18. Nombre de los alumnos que matriculados en la asignatura a02:

```
xPath Query: //alumno[estudios/asignaturas/asignatura/  
@codigo="a02"]/nombre/text()
```

```
[Line 150] null: Luisa
```

```
[Line 166] null: Fernando
```

```
[Line 182] null: María
```

19. Códigos de las carreras que estudian los alumnos matriculados en alguna asignatura.

```
xPath Query: //alumno/estudios/carrera/@codigo
```

```
[Line 137] codigo: c01
```

```
[Line 153] codigo: c02
```

```
[Line 169] codigo: c02
```

```
[Line 185] codigo: c01
```

20. Apellidos de todos los hombres:

```
Found 4 results for expression '//alumno[sexo='Hombre']/apellido1/text()|//alumno  
[sexo='Hombre']/apellido2/text()'  
Found node of type Text with value 'Rivas' at line 132  
Found node of type Text with value 'Santos' at line 133  
Found node of type Text with value 'Pérez' at line 164  
Found node of type Text with value 'Romero' at line 165  
The expression '//alumno[sexo='Hombre']/apellido1/text()|//alumno[sexo='Hombre']/apellido2/  
text()' took 0.008 seconds to evaluate
```

21. Nombre de la carrera que estudia Víctor Manuel:

```
Found 1 results for expression '//carrera[@id=//alumno[nombre='Víctor Manuel']//  
carrera/@codigo]/nombre/text()'  
Found node of type Text with value 'I.T. Informática' at line 14  
The expression '//carrera[@id=//alumno[nombre='Víctor Manuel']//carrera/@codigo]  
/nombre/text()' took 0.011 seconds to evaluate
```

22. Nombre de las asignaturas que estudia Luisa:

```
Found 2 results for expression '//asignatura[@id=//alumno[nombre='Luisa']//
asignatura/@codigo]/nombre/text()'
Found node of type Text with value 'Ofimática' at line 63
Found node of type Text with value 'Ingeniería del Software' at line 70
The expression '//asignatura[@id=//alumno[nombre='Luisa']//asignatura/@codigo]/
nombre/text()' took 0.024 seconds to evaluate
```

23. Primer apellido de los alumnos matriculados en Ingeniería del Software:

```
Found 3 results for expression '//alumno[./asignatura/@codigo=//asignatura
[nombre='Ingeniería del Software']/@id]/apellido1/text()'
Found node of type Text with value 'Pérez' at line 148
Found node of type Text with value 'Pérez' at line 164
Found node of type Text with value 'Avalón' at line 180
The expression '//alumno[./asignatura/@codigo=//asignatura[nombre='Ingeniería
del Software']/@id]/apellido1/text()' took 0.007 seconds to evaluate
```

24. Nombre de las carreras que estudian los alumnos matriculados en la asignatura Tecnología de los Alimentos:

```
Found 1 results for expression '//carrera[@id=//alumno[estudios/asignaturas/
asignatura/@codigo=//asignatura[nombre='Tecnología de los Alimentos']/@id]/
estudios/carrera/@codigo]/nombre/text()'
Found node of type Text with value 'I.T. Informática' at line 14
The expression '//carrera[@id=//alumno[estudios/asignaturas/asignatura/@codigo=
/asignatura[nombre='Tecnología de los Alimentos']/@id]/estudios/carrera/@codigo]
/nombre/text()' took 0.039 seconds to evaluate
```

25. Nombre de los alumnos matriculados en carreras que no tienen subdirector:

```
Found 4 results for expression '//alumno[estudios/carrera/@codigo=//carrera[not
(subdirector)]/@id]/nombre/text()'
Found node of type Text with value 'Víctor Manuel' at line 134
Found node of type Text with value 'Luisa' at line 150
Found node of type Text with value 'Fernando' at line 166
Found node of type Text with value 'María' at line 182
The expression '//alumno[estudios/carrera/@codigo=//carrera[not(subdirector)]/
@id]/nombre/text()' took 0.009 seconds to evaluate
```

26. Nombre de los alumnos matriculados en asignaturas con 0 créditos prácticos y que estudien la carrera de I.T. Informática

```
Found 1 results for expression '//alumno[estudios[carrera/@codigo=//carrera
[nombre='I.T. Informática']/@id]/asignaturas/asignatura/@codigo=//asignatura
[creditos_practicos=0]/@id]/nombre/text()'
Found node of type Text with value 'Víctor Manuel' at line 134
The expression '//alumno[estudios[carrera/@codigo=//carrera[nombre='I.T.
Informática']/@id]/asignaturas/asignatura/@codigo=//asignatura
[creditos_practicos=0]/@id]/nombre/text()' took 0.009 seconds to evaluate
```

27. Nombre de los alumnos que estudian carreras cuyos planes son anteriores a 2002

```
Found 2 results for expression '//alumno[estudios/carrera/@codigo=//carrera
[plan<2002]/@id]/nombre/text()'
```

Found node of type Text with value 'Luisa' at line 150

Found node of type Text with value 'Fernando' at line 166

The expression '//alumno[estudios/carrera/@codigo=//carrera[plan<2002]/@id]/
nombre/text()' took 0.006 seconds to evaluate