OUTPUTS:

Please make sure to include -i option while executing on zorba to indent the output.

I have pasted part of the output below:

1. For each MATH course taught in room LIB 204, return an element tagged course with the title, the instructor, the start, and the end times of the course.

/opt/local/bin/zorba -i -f -q question1.xq

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| --- |
| <?xml version="1.0" encoding="UTF-8"?>  <course>  <title>Calculus I</title>  <instructor>Mayer</instructor>  <time>  <start\_time>08:00AM</start\_time>  <end\_time>08:50</end\_time>  </time>  </course>  <course>  <title>Calculus I</title>  <instructor>Shurman</instructor>  <time>  <start\_time>11:00AM</start\_time>  <end\_time>11:50</end\_time>  </time>  </course> |

1. For each different course, return an element tagged course with the course title and all the instructor names that teach this course.

/opt/local/bin/zorba -i -f -q question2.xq

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| --- |
| <?xml version="1.0" encoding="UTF-8"?>  <course>  <title>Introduction to Anthropology</title>  <instructor>Brightman</instructor>  <instructor>Makley</instructor>  <instructor>Stasch</instructor>  <instructor>Silverstein</instructor>  </course>  <course>  <title>Sex and Gender</title>  <instructor>Makley</instructor>  </course> |

1. For each different department, display the department code and the number of courses taught by the department.

/opt/local/bin/zorba -i -f -q question3.xq

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| --- |
| <?xml version="1.0" encoding="UTF-8"?>  Department: ANTH  No of courses offered: 16    Department: BIOL  No of courses offered: 15 |

1. For each different instructor, return an element tagged instructor that contains the name of the instructor and the number of courses taught by the instructor

/opt/local/bin/zorba -i -f -q question4.xq

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?>  <instructor>  Name: Brightman  No of courses taught: 4  </instructor>  <instructor>  Name: Makley  No of courses taught: 4  </instructor> |

1. For each different instructor, return an element tagged instructor that contains the name of the instructor and the titles of all courses taught by the instructor

/opt/local/bin/zorba -i -f -q question5.xq

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?>  <instructor>  Name: Brightman  courses taught:  Introduction to Anthropology  Indians and Northrn NativeAmers  Nature, Cult and Envirnmentalism  Theories of Culture  </instructor>  <instructor>  Name: Makley  courses taught:  Sex and Gender  Gender and Ethnicity China, Tibet  Media and Culture Post-MaoChina  Introduction to Anthropology  </instructor> |