Query1 Output:

<?xml version="1.0" encoding="UTF-8"?>

<class xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

ClassName="object oriented design"

ClassID="se 151"/>

<class xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

ClassName="Senior Design Project I"

ClassID="se 195a"/>

<class xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

ClassName="Data Structures and Algorithms"

ClassID="se 146"/>

<class xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

ClassName="Software Engineering"

ClassID="se 195b"/>

Query2 Output:

<?xml version="1.0" encoding="UTF-8"?>

<school>

<department xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

departmentName="computer science"

departmentID="cs">

<class ClassName="object oriented design" ClassID="cs 151"/>

<class ClassName="Programming Paradigms" ClassID="cs 152"/>

<class ClassName="Data Structures and Algorithms" ClassID="cs 146"/>

<class ClassName="Software Engineering" ClassID="cs 160"/>

</department>

<department xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

departmentName="software engineering"

departmentID="se">

<class ClassName="object oriented design" ClassID="se 151"/>

<class ClassName="Senior Design Project I" ClassID="se 195a"/>

<class ClassName="Data Structures and Algorithms" ClassID="se 146"/>

<class ClassName="Software Engineering" ClassID="se 195b"/>

</department>

</school>

Query3 Output:

<school>

<professor xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

professorName="Ronald Mak"

professorID="10000"

email="ron.mak@sjsu.edu">

</professor>

<professor xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

professorName="Rula Khayrallah"

professorID="10001"

email="rula.khayrallah@sjsu.edu">

</professor>

</school>

Query4 Output:

<?xml version="1.0" encoding="UTF-8"?>

<professor xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

professorName="Ronald Mak"

professorID="10000"

email="ron.mak@sjsu.edu">

</professor>

Query5 Output:

<?xml version="1.0" encoding="UTF-8"?>

<class xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

ClassName="object oriented design"

ClassID="se 151"/>

Query6 Output :

<?xml version="1.0" encoding="UTF-8"?>

<class xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

ClassName="object oriented design"

ClassID="cs 151"/>

<class xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

ClassName="Programming Paradigms"

ClassID="cs 152"/>

<class xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

ClassName="Data Structures and Algorithms"

ClassID="cs 146"/>

<class xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

ClassName="Software Engineering"

ClassID="cs 160"/>

Query7 Output :

<?xml version="1.0" encoding="UTF-8"?>

<professor xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

professorName="Ronald Mak"

professorID="10000"

email="ron.mak@sjsu.edu">

</professor>

<professor xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

professorName="Ronald Mak"

professorID="10000"

email="ron.mak@sjsu.edu">

</professor>

<professor xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

professorName="Rula Khayrallah"

professorID="10001"

email="rula.khayrallah@sjsu.edu">

</professor>

<professor xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

professorName="Rula Khayrallah"

professorID="10001"

email="rula.khayrallah@sjsu.edu">

</professor>

Query8 Output:

<?xml version="1.0" encoding="UTF-8"?>

<professorName xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">Ronald Mak</professorName>

<professorName xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">Suneuy Kim</professorName>

<professorName xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">Cay Horstmann</professorName>

<professorName xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">Anna Meng</professorName>

Query 9 Output:

**<?xml version="1.0" encoding="UTF-8"?>**

**<professor>**

**<professorName xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">Ronald Mak</professorName>**

**<professorEmail xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">ron.mak@sjsu.edu</professorEmail>**

**</professor>**

**<professor>**

**<professorName xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">Suneuy Kim</professorName>**

**<professorEmail xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">suneuy.kim@sjsu.edu</professorEmail>**

**</professor>**

**<professor>**

**<professorName xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">Cay Horstmann</professorName>**

**<professorEmail xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">cay.horstmann@sjsu.edu</professorEmail>**

**</professor>**

**<professor>**

**<professorName xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">Anna Meng</professorName>**

**<professorEmail xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">hsin-yi.meng@sjsu.edu</professorEmail>**

**</professor>**