

Joins – Multi-table Selections – A School DB

This database is posted. Download it.

Student

StID	StName	Age
1	Stan Dupp	15
2	Sarah Soda	16
3	Ida Knowe	15

Teacher

TeacherID	TName	DeptID
18	Al Beback	2002
20	Sid Down	2002
19	N. E. Body	2003

Department

DID	DName	Office
2002	Business	101
2003	Math	123

Course

Code	Credits	CName	PreReq
ICS3U0	1	Grade 11 Computer Programming	None
ICS4U0	1	Grade 12 Computer Programming	ICS3U0
HSB4M7	2	Integrated Technology in a Global Society	ICS208
ICS208	1	MYP Grade 10 Computer Programming	None

Registered

StudentID	SchedID
1	101
1	102
2	101
2	104
3	105
3	104
3	101
1	103
2	103
3	103

Schedule

SchID	Term	Period	CourseCode	TeachID	RoomNum
101	S2009	1	ICS208	20	133
102	S2010	2	ICS208	20	133
103	W2009	1	HSB4M7	18	107
104	S2010	3	ICS4U0	18	133
105	W2009	4	ICS3U0	19	105

In Access make each of the following queries using SQL.

Save each one.

Number	Name of Query	Question
1	1_teachDept	Print out the teacher names and department names.
2	2_courseInfo	Print out the course name, the room number and the term each is scheduled in.
3	3_teachAssignedtoCourse	Print out the course code and the teacher scheduled to teach it.
4	4_studentSchedule	Print out the student name, their age and the names of the courses they are registered in.
5	5_studentTeachers	Print out the student name, their course codes and the names of their teachers.
6	6_randomInfo	Print out the student name, their room numbers and their teacher's department names.
7	7_mathDepart	Print out the teachers in the math department.
8	8_IdaKnowe	Print out the names of the courses that Ida Knowe is taking.

Solutions are on the next page so you can check your queries.

Solutions

Tname	Name
Al Beback	Business
Sid Down	Business
N.E. Body	Math

CName	RoomNum	Term
Grade 11 Computer Programming	105	W2009
Grade 12 Computer Programming	133	S2010
Integrated Technology in a Global Society	107	W2009
MYP Grade 10 Computer Programming	133	S2009
MYP Grade 10 Computer Programming	133	S2010

CourseCode	TName
HSB4M7	Al Beback
ICS4U0	Al Beback
ICS3U0	N.E. Body
ICS208	Sid Down
ICS208	Sid Down

StudName	Age	CName
Stan Dupp	15	MYP Grade 10 Computer Programming
Sarah Soda	16	MYP Grade 10 Computer Programming
Ida Knowe	15	MYP Grade 10 Computer Programming
Stan Dupp	15	MYP Grade 10 Computer Programming
Stan Dupp	15	Integrated Technology in a Global Society
Sarah Soda	16	Integrated Technology in a Global Society
Ida Knowe	15	Integrated Technology in a Global Society
Sarah Soda	16	Grade 12 Computer Programming
Ida Knowe	15	Grade 12 Computer Programming
Ida Knowe	15	Grade 11 Computer Programming

StudName	CourseCode	TName
Stan Dupp	ICS208	Sid Down
Sarah Soda	ICS208	Sid Down
Ida Knowe	ICS208	Sid Down
Stan Dupp	ICS208	Sid Down
Stan Dupp	HSB4M7	Al Beback
Sarah Soda	HSB4M7	Al Beback
Ida Knowe	HSB4M7	Al Beback
Sarah Soda	ICS4U0	Al Beback
Ida Knowe	ICS4U0	Al Beback
Ida Knowe	ICS3U0	N.E. Body

StudName	RoomNum	Name
Stan Dupp	107	Business
Sarah Soda	107	Business
Ida Knowe	107	Business
Sarah Soda	133	Business
Ida Knowe	133	Business
Stan Dupp	133	Business
Sarah Soda	133	Business
Ida Knowe	133	Business
Stan Dupp	133	Business
Ida Knowe	105	Math

Tname	Name
N.E. Body	Math

StudName	CName
Ida Knowe	Grade 11 Computer Programming
Ida Knowe	Grade 12 Computer Programming
Ida Knowe	MYP Grade 10 Computer Programming
Ida Knowe	Integrated Technology in a Global Society