

DATA 210 Chapter 2

Examples of SQL Queries Using the College database

STUDENT	STUID	STUNAME	MAJOR	CREDITS
	S1001	Smith, Tom	History	90
	S1010	Burns, Edward	Art	63
	S1015	Jones, Mary	Math	42
	S1002	Chin, Ann	Math	36
	S1020	Rivera, Jane	CSC	15
	S1013	McCarthy, Owen	Math	9

FACULTY	FACID	FACNAME	DEPT	RANK
	F101	Adams	Art	Professor
	F202	Smith	History	Associate
	F105	Tanaka	CSC	Instructor
	F110	Byrne	Math	Assistant
	F221	Smith	CSC	Professor

CLASS	COURSE#	FACID	SCHED	ROOM
	ART103A	F101	MWF9	H221
	CSC201A	F105	TUTHF10	M110
	MTH101B	F110	MTUTH9	H225
	HST205A	F202	MWF11	H221
	MTH103C	F110	MWF11	H225
	CSC203A	F105	MTHF12	M110

ENROLL	COURSE#	STUID	GRADE
	ART103A	S1001	A
	CSC201A	S1020	B
	CSC201A	S1002	F
	ART103A	S1010	
	ART103A	S1002	D
	MTH101B	S1020	A
	HST205A	S1001	C
	MTH103C	S1010	
	MTH103C	S1002	B

1. a. Get details of all Students

1. b Get name and rank of all Faculty

2. a Get names of all Students who have at least 50 credits

2. b Get ids of all Students in ART103A

2. c Get the course numbers of all courses that meet on a Monday or Thursday.

4. Get names of all math majors arranged in increasing alphabetical order.

5. Find the average number of credit hours earned by all majors

6. a. Find the average number of credit hours earned by all majors, labeling the column "Average Credits"

6. b. Find the largest, smallest and average amount of credit hours earned by a Math major labelling each column as such
7. a. Find the total numbers and average amount of credits per major, with appropriately named columns for each
7. b. For each classroom, give the number of courses that meet in each room using meaningful column labels.
7. c. For each major with at least 2 majors give the average number of credits earned by those majors.