

INST327 - Assignment 2

Be sure you complete both questions.

Please consult the rubric and instruction sheets before starting the assignment. Usage of some keywords or structures (**IF**, **IFNULL()**, etc.) that are not allowed will result in point deductions. This is to test you on what we have taught you even though these keywords and structures may seem like an easier solution.

Q.1) JOINS and UNION(50 points)

You must make use of the **UNION** keyword for this question. Write a query that replicates the result set shown below, matching all data and format aspects, including column headers. This query should list course information for all courses lower than a 300 level.

	course_name	section_number	instructor	course_description	course_prereq	credits
▶	INST 101	0101	Consuela Acaster	Bits and Bytes of Computer and Information Sci...	No Prereqs	1
	INST 101	0201	Consuela Acaster	Bits and Bytes of Computer and Information Sci...	No Prereqs	1
	INST 101	0301	Consuela Acaster	Bits and Bytes of Computer and Information Sci...	No Prereqs	1
	INST 123	0101	Murray Barker	Databases for All	No Prereqs	3
	INST 123	0102	Murray Barker	Databases for All	No Prereqs	3
	INST 123	0103	Murray Barker	Databases for All	No Prereqs	3
	INST 123	01xx	Murray Barker	Databases for All	No Prereqs	3
	INST 126	0101	Nettie Allen	Introduction to Programming for Information Sci...	MATH115 or MATH140, no INST326	3
	INST 126	0102	Nettie Allen	Introduction to Programming for Information Sci...	MATH115 or MATH140, no INST326	3
	INST 126	0103	Nettie Allen	Introduction to Programming for Information Sci...	MATH115 or MATH140, no INST326	3
	INST 126	0104	Nettie Allen	Introduction to Programming for Information Sci...	MATH115 or MATH140, no INST326	3
	INST 152	0101	Consuela Acaster	"Fake Checking": Battling Misinformation and Di...	No Prereqs	3
	INST 154	0101	Murray Barker	Apollo at 50	No Prereqs	3
	INST 155	0101	Nettie Allen	Social Networking	No Prereqs	3

28 rows returned. Only a subset is shown in this preview.

The final result has the values:

"INST 228", "0377", "Nettie Allen", "Academic Peer Mentor[...]", "No Prereqs", "3"

Q.2) Special JOINS (50 points)

Write a query that replicates the result set below, matching all data and format aspects, including column headers. This query lists course and enrollment information for all sections of INST327 even if no students are enrolled in the section. For the purpose of this question, you may disregard the instructions and use an exact match case since we are only interested in one course.

	course	semester	section_number	enrolled_student	meeting_days
▶	INST327	Fall - 2021	0101	NULL	F
	INST327	Fall - 2021	0102	NULL	F
	INST327	Fall - 2021	0103	NULL	F
	INST327	Fall - 2021	01xx	Aiko Ito	Th
	INST327	Fall - 2021	01xx	Carley Argue	Th
	INST327	Fall - 2021	01xx	Carolynn Matityahu	Th
	INST327	Fall - 2021	01xx	Dustin Nguyen	Th
	INST327	Fall - 2021	01xx	Genna Ellul	Th
	INST327	Fall - 2021	01xx	Murray Barker	Th
	INST327	Fall - 2021	01xx	Nairo Quintana	Th
	INST327	Fall - 2021	01xx	Ninetta Chesshire	Th
	INST327	Fall - 2021	01xx	Worth Corneil	Th
	INST327	Fall - 2021	01xx	Zoe Martina	Th
	INST327	Fall - 2021	0201	NULL	F
	INST327	Fall - 2021	0202	NULL	F
	INST327	Fall - 2021	0203	NULL	F
	INST327	Fall - 2021	02xx	NULL	W
	INST327	Spring - 2...	01xx	Barbara Graham	W
	INST327	Spring - 2...	01xx	Din Djarin	W
	INST327	Spring - 2...	01xx	Han Solo	W
	INST327	Spring - 2...	01xx	Lando Calrissian	W
	INST327	Spring - 2...	01xx	Leia Organa	W

57 rows returned. Only a subset is shown in the preview.

The final row has the values:

"INST327", "Spring - 2022", "203", "Sarah Andrews", "ThF"