

INST 327 – Database Design and Modeling

Assignment 6 - Views and Functions

See the assignment on Canvas for the partially completed code that you need for Q2. This gives you a starting point and guide for creating a procedure.

Q.1) (50 points) Views

For this view, we want to list all **synchronous** courses and their locations by section. Create the view `course_locations` which returns the following information matching all data and format aspects, including column headers.

	course	section_number	semester	instructor	location	building_name
▶	INST101	0101	Fall 2021	Consuela Acaster	IRB 1207	Brendan Iribe Center
	INST101	0201	Fall 2021	Consuela Acaster	IRB 2207	Brendan Iribe Center
	INST101	0301	Fall 2021	Consuela Acaster	CSI 1121	Computer Science Instructional Center
	INST123	0101	Fall 2021	Murray Barker	PHY 4221	John S Toll Physics Building
	INST123	0102	Fall 2021	Murray Barker	PHY 1204	John S Toll Physics Building
	INST123	0103	Fall 2021	Murray Barker	EGR 3106	Engineering Classroom Building (Martin)
	INST123	01xx	Fall 2021	Murray Barker	ESJ 2204	Edward St John Learning Center
	INST126	0101	Fall 2021	Nettie Allen	HULL	HULL
	INST126	0102	Fall 2021	Nettie Allen	PLS 1130	Plant Sciences
	INST126	0103	Fall 2021	Nettie Allen	HULL	HULL
	INST152	0101	Fall 2021	Consuela Acaster	ESJ 1224	Edward St John Learning Center
	INST154	0101	Fall 2021	Murray Barker	ESJ 215	Edward St John Learning Center
	INST201	0101	Fall 2021	Consuela Acaster	PLS 1140	Plant Sciences
	INST201	0102	Fall 2021	Consuela Acaster	SKN 200	Skinner Building
	INST201	0201	Fall 2021	Consuela Acaster	HBK 0302H	Hornbake
	INST201	0202	Fall 2021	Consuela Acaster	HBK 105	Hornbake

67 rows returned

Note: once you've created the view you can easily run it with the following code:
`SELECT * FROM course_locations;`

Q.2) (50 points) Procedures

Develop the `person_by_state` procedure that takes a state abbreviation and returns students from that state and some information about them. The columns are the student's full name, department, street, location (city and state), and their classification. More details about the procedure are included in the partial script including how to test your code.