

Assignment 1

Problems 1-5 & Problem 11

1. There are 5 records. There are 7 fields in each record.
2. There would be significant redundancy since there are multiple cities that would be listed over and over. You could create a separate table for same cities and use a primary key.
3. Create a separate code and create a relationship with the project code.
4. Repeating project managers and phone numbers. Can lead to a poor and hard to manage system which would be an anomaly.
5. Same cities, repeating job codes, same project numbers, repeating employee numbers and repeating phone numbers.

11.

a.

STU_ID	STU_NAME	CLASS_CODE	CLASS_NAME	CLASS_CREDHRS	INSTR_NAME	CLASS_DAYS	CLASS_TIME	ROOM
5173082	Nathan Moran	CIS 310 - 01	Database Design	3	Haleh Karimi	M, W	1:00 PM	Bus 008
5173082	Nathan Moran	CIS 320 - 02	Systems Analysis and Design	3	Robert Barker	Tu, Th	9:30 AM	Bus 008
5173082	Nathan Moran	CIS 350 - 02	Infrastructure Technology	3	Josef Zurada	Tu, Th	4:00 PM	Bus 101
5173082	Nathan Moran	CIS 444 - 50	Data Analytics	3	Sandeep Goyal	Online	N/A	N/A
5173082	Nathan Moran	CLAW 301 -01	Legal Environment of Business	3	Sait Tarhan	Tu, Th	2:30 PM	Bus 123

b.

STU_ID	STU_NAME	CLASS_CODE	CLASS_NAME	CLASS_CREDHRS	INSTR_NAME	CLASS_DAYS	CLASS_TIME	ROOM
5173082	Nathan Moran	CIS 310 - 01	Database Design	3	Haleh Karimi	M, W	1:00 PM	COB 008
5173082	Nathan Moran	CIS 320 - 02	Systems Analysis and Design	3	Robert Barker	Tu, Th	9:30 AM	COB 008
5173082	Nathan Moran	CIS 350 - 02	Infrastructure Technology	3	Josef Zurada	Tu, Th	4:00 PM	COB 101
5173082	Nathan Moran	CIS 444 - 50	Data Analytics	3	Sandeep Goyal	Online	N/A	N/A
5173082	Nathan Moran	CLAW 301 -01	Legal Environment of Business	3	Sait Tarhan	Tu, Th	2:30 PM	COB 123
5127973	Ryan Stoffield	CJ 200 -01	Crime and Justice in the United States	3	Barry Denton	M, W	9:30 AM	Brigman Hall 100C
5127973	Ryan Stoffield	ACCT 430 - 01	Auditing	3	Derreck Barr-Pulliam	M, W	11:00 AM	COB 201
5127973	Ryan Stoffield	ACCT 411 - 01	Advanced Accounting Information Systems	3	Russell Williamson	M, W	2:30 PM	COB 222
5127973	Ryan Stoffield	COMM 201 - 02	Introduction to Communication	3	Christine Steineck	Tu, Th	11:00 AM	Life Science 101
5127973	Ryan Stoffield	MGMT 404 -01	Project Management	3	Tundidaronyoro Mott	Tu, Th	4:00 PM	COB 118
1234567	Random Student	CLWN 150 - 01	Introduction to Clowns	3	Mini Clown	M, W, F	8:00 AM	BAB 111
1234567	Random Student	HORN 120 -03	Introduction to Horns	3	Bull Horns	Tu, Th	2:00 PM	BAB 222
1234567	Random Student	PRNK 250 - 02	Introduction to Pranks	3	Pranky McPrankster	M, W	3:00 PM	BAB 100
1234567	Random Student	COMD 300 -01	Introduction to Comedy	3	Comedian Specialist	M, W, F	10:00 AM	BAB 312
1234567	Random Student	CLWN 450 - 02	Advanced Clowning	3	Biggest Clown	Tu, Th	4:00 PM	BAB 210

c.

Anomalies would be if one of the students changes their schedule, and it's not updated in the spreadsheet. Redundancy could occur if the information was put in twice.