Toyu schema in the format of HW assignment with normalization analysis

1	Grade(grade, gradePoint)
Candidate Keys	[1] grade, [2] gradePoint
Foreign Keys	
Nullable Attributes	
Non-nullable Attributes	grade, gradePoint
Notes	
Normalization Analysis	[1] FD: (1) grade -> gradePoint, (2) gradePoint -> grade
,	[2] Highest NF: BCNF
2	School(schoolCode, schoolName)
Candidate Keys	[1] schoolCode, [2] schoolName
Foreign Keys	
Nullable Attributes	
Non-nullable Attributes	schoolCode, schoolName
Notes	
Normalization Analysis	[1] FD: (1) schoolCode -> schoolName, (2) schoolName -> schoolCode.
	[2] Highest NF: BCNF
3	Department(deptCode, deptName, schoolCode, numStaff)
Candidate Keys	[1] deptCode, [2] deptName
Foreign Keys	[1] schoolCode references School(schoolCode)
Nullable Attributes	schoolCode, numStaff
Non-nullable Attributes	deptCode, deptName,
Notes	
Normalization Analysis	[1] FD: (1) deptCode -> deptName, schoolCode, numStaff, (2) deptName -
	> deptCode
	[2] Highest NF: BCNF
4	Faculty(<u>facId</u> , fname, lname, deptCode, rank)
Candidate Keys	[1] facId
Foreign Keys	[1] deptCode references Department(deptCode)
Nullable Attributes	rank
Non-nullable Attributes	facId, fname, lname, deptCode
Notes	
Normalization Analysis	[1] FD: (1) facId -> fname, lname, deptCode, rank
	[2] Highest NF: BCNF
5	Course(<u>courseld</u> , rubric, number, title, credits)
Candidate Keys	[1] courseld,
Foreign Keys	[1] rubric references Department(deptCode)
Nullable Attributes	credits
Non-nullable Attributes	courseld, rubric, number, title
Notes	
Normalization Analysis	[1] FD: (1) courseld -> rubric, number, title, credits
	[2] Highest NF: BCNF
6	Class(<u>classId</u> , courseId, semester, year, facId, room)
Candidate Keys	[1] classid
Foreign Keys	[1] courseld references Course(courseld), [2] facld references
	Faculty(facId)

Nullable Attributes	room
Non-nullable Attributes	classid, courseld, semester, year, facid
Notes	
Normalization Analysis	[1] FD: (1) classId -> courseId, semester, year, facId, room [2] Highest NF: BCNF
7	Student(Stuld, fname, Iname, major, minor, ach, advisor)
Candidate Keys	[1] Stuld
Foreign Keys	[1] major references department(deptCode), [2] minor references department(deptCode), [3] advisor references faculty(facId)
Nullable Attributes	major, minor, advisor
Non-nullable Attributes	stuld, fname, lname, ach
Notes	
Normalization Analysis	[1] FD: (1) Stuld -> fname, lname, major, minor, ach, advisor [2] Highest NF: BCNF
8	Enroll(stuld, classid, grade, n_alerts)
Candidate Keys	[1] stuld, classid
Foreign Keys	[1] stuld references Student(stuld), [2] classId references Class(classId), [3] grade references Grade(grade)
Nullable Attributes	grade, n_alerts
Non-nullable Attributes	stuld, classid
Notes	[1] A surrogate key, Enroll, has not been created. It may be created.
Normalization Analysis	[1] FD: (1) stuld, classid -> grade, n_alerts [2] Highest NF: BCNF