

❖ Case 2: University System – UNF Table

StudentID	StudentName	Department	Courses Enrolled	Advisor
S001	Reem	CS	C101:DB, C102:AI	Dr. Omar
S002	Tariq	Business	C103:Marketing	Dr. Sarah
S003	Noura	CS	C101:DB, C104:Cybersecurity	Dr. Omar

1NF No multivalued attributes.

StudentID	StudentName	Department	CourseID	Course Enrolled	Advisor
S001	Reem	CS	C101	DB	Dr. Omar
S001	Reem	CS	C102	AI	Dr. Omar
S002	Tariq	Business	C103	Marketing	Dr. Sarah
S003	Noura	CS	C101	DB	Dr. Omar
S003	Noura	CS	C104	Cybersecurity	Dr. Omar

2NF

StudentID	StudentName	Department	Advisor	CourseID	CourseName
S001	Reem	CS	Dr. Omar	C101	DB
S002	Tariq	Business	Dr. Sarah	C102	AI
S003	Noura	CS	Dr. Omar	C103	Marketing
				C104	Cybersecurity

StudentID	CourseID
S001	C101
S001	C102
S002	C103
S003	C101
S003	C104