

Fundamental of Data Management

Task 4.1.1

1NF (First Normalization Form)

Given Table 1st Normal Form

Stud_id	Stud_name	Subj_code	Subj_title	Sem	Year	Staff_id	convenor	Marks	Grade
1234	John Smith	ITM2005	System Architecture	1	2015	111	Bob Hauser	83	D
1234	John Smith	ACS1005	Data Management	2	2015	222	Jane Collins	44	N
9555	Peter Nguyen	ITM2005	System Architecture	1	2015	111	Bob Hauser	95	HD
9555	Peter Nguyen	PROG1001	Programming I	2	2015	333	Ahmad Singh	65	C

2nd Normal Form

Student_table

Student_ID	Student_Name
1234	John Smith
9555	Peter Nguyen

Subject_table

Subject_Code	Subject_Title	SEM	Year	Convenor_ID
ITM2005	System Architecture	1	2015	111
ACS1005	Data Management	2	2015	222
PROG1001	Programming I	2	2015	333

Convenor_Table

Convenor_ID	Convenor_Name
111	Bob Hauser
222	Jane Collins
333	Ahmad Singh

Grade_Table

Student_ID	Subject_ID	Marks	Grade
1234	ITM2005	83	D
1234	ACS1005	44	N
9555	ITM2005	95	HD
9555	PROG1001	65	C

Rule to Achieve 2NF form:

- 1) Remove all Partial Dependencies from the table.