INF

Student

id	name	age	subject
1	Sukumar	20	DBMS, OS
2	Hari	20	DBMS
3	Sunil	19	Java

↓ Converting to 1NF.

Student

id	name	age	subject
1	Sukumar	20	DBMS
1	Sukumar	20	OS
2	Hari	20	DRMS
3	Sunil	19	Java

2NF

Student

id	name	idprofessor	professor	Grade
1	Sukumar	3	Sachin	5
2	Hari	2	Parker	4
3	Sunil	1	James	6

↓ Converting to 2NF

Student

id	name
1	Sukumar
2	Hari
3	Sunil

Professor

idprofessor	professor
1	James
2	parker
3	Sachin

Grades

id	idprofessor	Grade
1	3	5
2	2	4
3	1	6

3NF

Score

scoreid	std id	sub id	Marks	exam name	total marks
101	201	1	15	mid	20
102	202	2	69	final	80
103	203	3	19	mid	20

↓

Score

scoreid	std id	sub id	marks
101	201	1	15
102	202	2	69
103	203	3	19

exam

exam name	total marks
mid	20
final	80
mid	20

BCNF

Std	Course	Teacher
Sukumar	DBMS	Madhu
Hari	DBMS	Ali
Sunil	Java	Priya
Deepu	DBMS	Madhu

↓

Std	Course
Sukumar	DBMS
Hari	DBMS
Sunil	Java
Deepu	DBMS

Course	Teacher
DBMS	Madhu
DBMS	Ali
Java	Priya