

Normalisation  
 1st Form  
 2nd Form  
 3rd Form  
 4th Form  
 5th Form

1st Form

1. not have groups  
 2. primary value

no multiple values

ID	Name	Genre	Director Name	Director Address
1	King Kong	Action, Sci-Fi	-	-
2	Band of Brothers	Action, War	-	-
3	Avatar	Action, Sci-Fi	-	-

Employee

ID	Emp Name	Skills	Emp Address
1	John	Java, C++	-
2	Alice	Python, JavaScript	-
3	Bob	Python, JavaScript	-

Employee Skills

Emp ID	Skills
1	Java, C++
2	Python, JavaScript
3	Python, JavaScript

Student

ID	Name	Class	Score
1	John	85%	85%
2	Alice	90%	90%
3	Bob	90%	90%

Class

Class ID	Class Name	Class II	Class III
1	Math	Math	Math
2	Science	Science	Science
3	History	History	History

2nd Form

1. table in 1st form  
 2. non-key attribute depend on primary key

2nd Form

1. already 1st form  
 2. non-key attribute depend on primary key

Movie genre

ID	Movie ID	Genre ID
1	1	1
2	1	2
3	1	3
4	1	3

Dependent Table

select 2 from moviegenre where movieid=1

3rd Form

1. All non-key attribute depend on primary key with no indirect relation.  
 2. already 2nd form

Director

ID	Name	Genre	Pr ID
1	John	Action	1
2	Alice	Science	2
3	Bob	History	3

Director

ID	Pr ID	Director Address
1	1	-
2	2	-
3	3	-

