

## Normalization of entities

Entity Name	2NF	3NF	BCNF
MOVIE	Single Primary Key(MovieID), so already in 2NF	Only issue here is that The language may determine the country, how ever, it never happens(for example: English can be released by USA,UK,AUS..) So it's already in 3NF.	Only MovieID can be determinant which is already primary key. (Consider two movie may have same name) Hence in BCNF.
ACTOR	Single Primary Key(ActorID), so already in 2NF	No non key attribute determined by other non key attribute, hence already in 3NF.	Only determinant is ActorID(primary key). Hence in BCNF.
MOVIE_ACTOR	No, non key attribute, hence already in 2NF	No, non key attribute, Hence in 3NF.	No,non key attributes. Hence in BCNF.
DIRECTOR	Single Primary Key(DirectorID), so already in 2NF	No non key attribute determined by other non key attribute, hence already in 3NF.	Only determinant is DirectID(primary key). Hence in BCNF.
MOVIE_DIRECTOR	No, non key attribute, hence already in 2NF	No, non key attribute, Hence in 3NF.	No,non key attributes. Hence in BCNF.
GENRE	Single Primary Key(GenreName), so already in 2NF	No non key attribute determined by other non key attribute, hence already in 3NF.	Only determinant is GenreName(primary key). Hence in BCNF.
MOVIE_GENRE	Single Primary Key(Genre), so already in 2NF	No, non key attribute, Hence in 3NF.	No,non key attributes. Hence in BCNF.
NATION	Single Primary Key(NationID), so already in 2NF	No non key attribute determined by other non key attribute, hence already in 3NF.	The other determinant NationName is candidate key. Hence in BCNF.

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REVIEW	Single Primary Key(ReviewID), so already in 2NF	No non key attribute determined by other non key attribute, hence already in 3NF.	Only determinant is ReviewID(primary key). Hence in BCNF.
USER	Single Primary Key(UserID), so already in 2NF	Email is a determinant which is also a candidate key. Hence it is in 3NF.	The other determinant Email is candidate key. Hence in BCNF.
COMMENT	CommentID can determine the rest of attributes, so move such function dependency into separate relation (CommentContent)	No non key attribute determined by other non key attribute, hence already in 3NF.	No, non key attributes. Hence in BCNF.
SHORTREVIEW	Single Primary Key( REVIEW_ReviewID), so already in 2NF	No non key attribute determined by other non key attribute, hence already in 3NF.	Only determinant is REVIEW_ReviewID(primary key). Hence in BCNF.
LONGREVIEW	Single Primary Key( REVIEW_ReviewID), so already in 2NF	No non key attribute determined by other non key attribute, hence already in 3NF.	Only determinant is REVIEW_ReviewID(primary key). Hence in BCNF.