

## Solution of Q1

Primary Key: Movie\_id, Actor\_id, Reviewer\_id

FD1: Movie\_id, Actor\_id -> Actor\_role

FD2: Movie\_id, Reviewer\_id -> Movie\_rating

FD3: Actor\_id -> Actor\_name

FD4: Reviewer\_id -> Reviewer\_name

FD5: Genre\_id -> Genre

### 1NF:

Already in 1NF

### 2NF:

Removing FD1, FD2, FD3 and FD4

Mov ie_id	Movi e_Titl e	Gen re_id	Ge nr e	Lang uage	Date_r elease	Release _countr y	Movie _Ratin g	Act or_id	Actor _nam e	Revie wer_id	Reviewe r_name	Number_ of_ratings	Act or_ rol e
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Movie_id	Movie_Title	Genre_id	Genre	Language	Date_release	Release_country
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Actor_id	Movie -id	Actor_role
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Reviewer_id	Movie_id	Movie_ratings
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Actor_id	Actor_name
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Reviewer_id	Reviewer_name
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### 3NF:

Removing FD5

Movie_id	Movie_Title	Genre_id	Genre	Language	Date_release	Release_country
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Movie_id	Movie_Title	Language	Date_release	Release_country
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Actor_id	Movie_id -id	Actor_role
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Reviewer_id	Movie_id	Movie_ratings
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Actor_id	Actor_name
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Reviewer_id	Reviewer_name
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Genre_id	Genre
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# Solution of Q2

