**Day-29**

**IMDB Design a DB for IMDB**

1. **Movie should have multiple media(Video or Image)**

CREATE TABLE `movie` (

`id` int(11) NOT NULL,

`name` varchar(250) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `movie` (`id`, `name`) VALUES

(1, 'Roja'),

(2, 'Bombay');

CREATE TABLE `movie\_medias` (

`id` int(11) NOT NULL,

`movie\_id` int(11) NOT NULL,

`image\_video` varchar(500) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `movie\_medias` (`id`, `movie\_id`, `image\_video`) VALUES

(1, 1, 'Roja\_poster'),

(2, 2, 'Bombay\_poster');

1. **Movie can belongs to multiple Genre**

CREATE TABLE `genre` (

`id` int(11) NOT NULL,

`name` varchar(200) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `genre` (`id`, `name`) VALUES

(1, 'Action'),

(2, 'Animation'),

(3, 'Comedy'),

(4, 'Crime'),

(5, 'Fantasy'),

(6, 'Historical'),

(7, 'Horror'),

(8, 'Romance'),

(9, 'Science fiction'),

(10, 'Thriller');

1. **Movie can have multiple reviews and Review can belongs to a user**

CREATE TABLE `movie\_reviews` (

`id` int(11) NOT NULL,

`movie\_id` int(11) NOT NULL,

`user\_id` int(11) NOT NULL,

`reviews` text NOT NULL,

`created\_datetime` datetime NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `movie\_reviews` (`id`, `movie\_id`, `user\_id`, `reviews`, `created\_datetime`) VALUES

(1, 1, 1, 'good movie', '2022-10-11 11:27:06'),

(2, 1, 2, 'not bad', '2022-10-11 11:27:06'),

(3, 1, 3, 'nice movie', '2022-10-11 11:27:37');

CREATE TABLE `user` (

`id` int(11) NOT NULL,

`name` varchar(100) NOT NULL,

`email` varchar(50) NOT NULL,

`password` varchar(100) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `user` (`id`, `name`, `email`, `password`) VALUES

(1, 'gayathri', 'gayathri@gmail.com', '12346'),

(2, 'devi', 'devi@gmail.com', '123456');

1. **Artist can have multiple skills**

CREATE TABLE `artists` (

`id` int(11) NOT NULL,

`name` varchar(100) NOT NULL,

`picture` varchar(100) NOT NULL,

`contact\_no` varchar(100) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `artists` (`id`, `name`, `picture`, `contact\_no`) VALUES

(1, 'Aravind Samy', 'Aravindsamy.jpeg', '980'),

(2, 'Sharukhan', 'sharukhan.jpeg', '70879');

CREATE TABLE `artist\_skills` (

`id` int(11) NOT NULL,

`artist\_id` int(11) NOT NULL,

`skill\_id` int(11) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `artist\_skills` (`id`, `artist\_id`, `skill\_id`) VALUES

(1, 1, 1),

(2, 1, 2),

(3, 1, 3),

(4, 1, 4),

(5, 1, 5);

INSERT INTO `skills` (`id`, `name`) VALUES

(1, 'can sing'),

(2, 'can do music'),

(3, 'can play emotional character'),

(4, 'can play as villain');

1. **Artist can perform multiple role in a single film**

CREATE TABLE `movie\_roles` (

`id` int(11) NOT NULL,

`movie\_id` int(11) NOT NULL,

`artist\_id` int(11) NOT NULL,

`role\_id` int(11) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `movie\_roles` (`id`, `movie\_id`, `artist\_id`, `role\_id`) VALUES

(1, 1, 1, 1),

(2, 1, 1, 2),

(3, 1, 1, 4);

CREATE TABLE `roles` (

`id` int(11) NOT NULL,

`name` varchar(100) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

INSERT INTO `roles` (`id`, `name`) VALUES

(1, 'Producer'),

(2, 'Director'),

(3, 'Assistant Director'),

(4, 'Photography'),

(5, 'Camera Operator'),

(6, 'Assistant Camera'),

(7, 'art designer'),

(8, 'music director'),

(9, 'actor -Hero'),

(10, 'actress -Heroine'),

(11, 'villain'),

(12, 'comedian');