[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html" \t "mysql_doc) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) Movie\_Characters ( Character\_ID [int](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/numeric-types.html) PRIMARY KEY, Character\_Name [varchar](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-types.html)(50), Age [int](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/numeric-types.html) );

INSERT INTO movie\_characters VALUES (1, ‘Apu’, 7);

INSERT INTO movie\_characters VALUES (2, ‘Durga’, 10);

INSERT INTO movie\_characters VALUES (3, ‘Harihar’, 42);

INSERT INTO movie\_characters VALUES (4, ‘Sarbajaya’, 35);

INSERT INTO movie\_characters VALUES (5, 'Ramesh', 28);

INSERT INTO movie\_characters VALUES (6, 'Hemnalini', 25);

INSERT INTO movie\_characters VALUES (7, 'Nalinaksha', 30);

INSERT INTO movie\_characters VALUES (8, 'Kamala', 20);

INSERT INTO movie\_characters VALUES (9, 'Shikha', 21);

INSERT INTO movie\_characters VALUES (10, 'Apratim', 26);

INSERT INTO movie\_characters VALUES (11, 'Feluda', 25);

INSERT INTO movie\_characters VALUES (12, 'Maganlal Meghraj', 35);

INSERT INTO movie\_characters VALUES (13, 'Jatayu', 45);

INSERT INTO movie\_characters VALUES (14, 'Topshe', 18);

INSERT INTO movie\_characters VALUES (15, 'Ruku', 6);

INSERT INTO movie\_characters VALUES (16, 'Faruk', 22);

INSERT INTO movie\_characters VALUES (17, 'Bithi', 19);

INSERT INTO movie\_characters VALUES (18, 'Sathi', 24);

INSERT INTO movie\_characters VALUES (19, 'Lalon', null);

INSERT INTO movie\_characters VALUES (20, 'Kaluah', 25);

INSERT INTO movie\_characters VALUES (21,'Siraj Saain', 45);

INSERT INTO movie\_characters VALUES (22, 'Komli', 25);

INSERT INTO movie\_characters VALUES (23, 'Subir Banerjee', null);

INSERT INTO movie\_characters VALUES (24, 'Ashima', 24);

INSERT INTO movie\_characters VALUES (25, 'Rashmoni', null);

INSERT INTO movie\_characters VALUES (26, 'Somalata', 24);

INSERT INTO movie\_characters VALUES (27, 'Chaitali', 18);

INSERT INTO movie\_characters VALUES (28, 'Byomkesh Bakshi', 26);

INSERT INTO movie\_characters VALUES (29, 'Ait', 27);

INSERT INTO movie\_characters VALUES (30, 'Malati', 16);

INSERT INTO movie\_characters VALUES (31, 'Debkumar', 50);

INSERT INTO movie\_characters VALUES (32, 'Doctor Anukul', 45);

INSERT INTO movie\_characters VALUES (33, 'Prabhat', 27);

INSERT INTO movie\_characters VALUES (34, 'Satyabati', 22);

INSERT INTO movie\_characters VALUES (35, 'Anadi Babu', 55);

INSERT INTO movie\_characters VALUES (36, 'PK', null);

INSERT INTO movie\_characters VALUES (37, 'Jaggu', 26);

INSERT INTO movie\_characters VALUES (38, 'Sarfaraz', 29);

INSERT INTO movie\_characters VALUES (39, 'Tapasvi Maharaj', 50);

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) Movie\_Character\_Relationship ( Character\_ID [int](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/numeric-types.html) , Movie\_ID [int](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/numeric-types.html), PRIMARY KEY (Character\_Id,Movie\_ID), FOREIGN KEY (Character\_ID) REFERENCES movie(Movie\_ID), FOREIGN KEY (Movie\_ID) REFERENCES movie\_characters(Character\_ID) );INSERT INTO movie\_character\_relationship VALUES(1, 1);

INSERT INTO movie\_character\_relationship VALUES(1,1);

INSERT INTO movie\_character\_relationship VALUES(2 ,1);

INSERT INTO movie\_character\_relationship VALUES(3, 1);

INSERT INTO movie\_character\_relationship VALUES(4 ,1);

INSERT INTO movie\_character\_relationship VALUES(5 ,2);

INSERT INTO movie\_character\_relationship VALUES(6 ,2);

INSERT INTO movie\_character\_relationship VALUES(7, 2);

INSERT INTO movie\_character\_relationship VALUES(8 ,2);

INSERT INTO movie\_character\_relationship VALUES(9, 3);

INSERT INTO movie\_character\_relationship VALUES(10, 3);

INSERT INTO movie\_character\_relationship VALUES(11, 4);

INSERT INTO movie\_character\_relationship VALUES(12, 4);

INSERT INTO movie\_character\_relationship VALUES(13, 4);

INSERT INTO movie\_character\_relationship VALUES(14, 4);

INSERT INTO movie\_character\_relationship VALUES(15 ,4);

INSERT INTO movie\_character\_relationship VALUES(16 ,5);

INSERT INTO movie\_character\_relationship VALUES(17 ,5);

INSERT INTO movie\_character\_relationship VALUES(18 ,5);

INSERT INTO movie\_character\_relationship VALUES(19 ,6);

INSERT INTO movie\_character\_relationship VALUES(20 ,6);

INSERT INTO movie\_character\_relationship VALUES(21 ,6);

INSERT INTO movie\_character\_relationship VALUES(22 ,6);

INSERT INTO movie\_character\_relationship VALUES(23 ,7);

INSERT INTO movie\_character\_relationship VALUES(24 ,7);

INSERT INTO movie\_character\_relationship VALUES(25 ,8);

INSERT INTO movie\_character\_relationship VALUES(26 ,8);

INSERT INTO movie\_character\_relationship VALUES(27 ,8);

INSERT INTO movie\_character\_relationship VALUES(28 ,9);

INSERT INTO movie\_character\_relationship VALUES(28 ,10);

INSERT INTO movie\_character\_relationship VALUES(29 ,9);

INSERT INTO movie\_character\_relationship VALUES(29 ,10);

INSERT INTO movie\_character\_relationship VALUES(30 ,9);

INSERT INTO movie\_character\_relationship VALUES(31 ,9);

INSERT INTO movie\_character\_relationship VALUES(32 ,9);

INSERT INTO movie\_character\_relationship VALUES(33 ,10);

INSERT INTO movie\_character\_relationship VALUES(34 ,9);

INSERT INTO movie\_character\_relationship VALUES(34 ,10);

INSERT INTO movie\_character\_relationship VALUES(35 ,10);

INSERT INTO movie\_character\_relationship VALUES(36 ,11);

INSERT INTO movie\_character\_relationship VALUES(37 ,11);

INSERT INTO movie\_character\_relationship VALUES(38 ,11);

INSERT INTO movie\_character\_relationship VALUES(39 ,11);

Lab final:

Ceate Book\_Publisher\_Relationship Table:

**Insert data into Ceate Book\_Publisher\_Relationship Table:**

INSERT into book\_publisher\_relationship VALUES

(1, 1 ,182, 134),

(1 ,2 ,90 ,78),

(2 ,3 ,150, 156),

(2 ,4 ,200 ,193),

(3, 3 ,300 ,720),

(3, 2 ,245, 704),

(3 ,4 ,413 ,668),

(4, 3 ,165, 156),

(4, 5 ,176, 184),

(5, 6, 360, 264),

(5, 7 ,238, 192),

(5 ,4 ,132, 95),

(6 ,8 ,90 ,64),

(7, 8 ,140, 110),

(8, 8 ,114 ,80),

(9, 9, 855, 645),

(10, 9, 1133, 768),

(11, 9, 180, 73),

(11, 10, 123, 79),

(12, 9 ,180, 90),

(12, 10, 90, 80),

(13, 11 ,233 ,120),

(14, 12, 270, 217),

(15, 13, 450, 186),

(16, 14, 298, 312),

(16, 15 ,255, 300),

(17 ,16 ,225, 208),

(18, 16, 375, 301),

(19, 17 ,390, null)

2.0:

SELECT characters.Character\_Name,characters.Age FROM characters WHERE Character\_Name LIKE '%Professor%' OR Character\_Name LIKE '%Dr.%';

2.1:

SELECT book\_publisher\_relationship.Book\_No, MAX(book\_publisher\_relationship.No\_of\_Pages) from book\_publisher\_relationship GROUP BY book\_publisher\_relationship.Book\_No;

2.2:

SELECT book.Book\_Name,book.Genre, book\_publisher\_relationship.No\_of\_Pages from book NATURAL JOIN book\_publisher\_relationship WHERE (book\_publisher\_relationship.Book\_No,book\_publisher\_relationship.No\_of\_Pages) IN (SELECT book\_publisher\_relationship.Book\_No, MAX(book\_publisher\_relationship.No\_of\_Pages) from book\_publisher\_relationship GROUP BY book\_publisher\_relationship.Book\_No);