|  |
| --- |
|  |
|  | Create database book\_dealer;  Use book\_dealer; |
|  |  |
|  | CREATE TABLE author( |
|  | author\_id INT, |
|  | author\_name VARCHAR(20), |
|  | author\_city VARCHAR(20), |
|  | author\_country VARCHAR(20), |
|  | PRIMARY KEY(author\_id)); |
|  | DESC author; |
|  |  |
|  | CREATE TABLE publisher( |
|  | publisher\_id INT, |
|  | publisher\_name VARCHAR(20), |
|  | publisher\_city VARCHAR(20), |
|  | publisher\_country VARCHAR(20), |
|  | PRIMARY KEY(publisher\_id)); |
|  | DESC publisher; |
|  |  |
|  | CREATE TABLE category( |
|  | category\_id INT, |
|  | category\_desc VARCHAR(30), |
|  | PRIMARY KEY(category\_id)); |
|  | DESC category; |
|  |  |
|  | CREATE TABLE catalog( |
|  | book\_id INT, |
|  | book\_title VARCHAR(30), |
|  | author\_id INT, |
|  | publisher\_id INT, |
|  | category\_id INT, |
|  | year INT, |
|  | price INT, |
|  | PRIMARY KEY(book\_id), |
|  | FOREIGN KEY(author\_id) REFERENCES author(author\_id), |
|  | FOREIGN KEY(publisher\_id) REFERENCES publisher(publisher\_id), |
|  | FOREIGN KEY(category\_id) REFERENCES category(category\_id)); |
|  | DESC catalog; |
|  |  |
|  | CREATE TABLE order\_details( |
|  | order\_id INT, |
|  | book\_id INT, |
|  | quantity INT, |
|  | PRIMARY KEY(order\_id), |
|  | FOREIGN KEY(book\_id) REFERENCES catalog(book\_id)); |
|  | DESC order\_details; |
|  |  |
|  | INSERT INTO author VALUES(1001,'JK Rowling','London','England'); |
|  | INSERT INTO author VALUES(1002,'Chetan Bhagat','Delhi','India'); |
|  | INSERT INTO author VALUES(1003,'John McCarthy','Chicago','USA'); |
|  | INSERT INTO author VALUES(1004,'Dan Brown','California','USA'); |
|  | COMMIT; |
|  | SELECT \* FROM author; |
|  |  |
|  | INSERT INTO publisher VALUES(2001,'Bloomsbury','London','England'); |
|  | INSERT INTO publisher VALUES(2002,'Scholastic','Washington','USA'); |
|  | INSERT INTO publisher VALUES(2003,'Pearson','London','England'); |
|  | INSERT INTO publisher VALUES(2004,'Rupa','Delhi','India') ; |
|  | COMMIT; |
|  | SELECT \* FROM publisher; |
|  |  |
|  | INSERT INTO category VALUES(3001,'Fiction'); |
|  | INSERT INTO category VALUES(3002,'Non-Fiction'); |
|  | INSERT INTO category VALUES(3003,'Thriller'); |
|  | INSERT INTO category VALUES(3004,'Action'); |
|  | INSERT INTO category VALUES(3005,'Fiction'); |
|  | COMMIT; |
|  | SELECT \* FROM category; |
|  |  |
|  | INSERT INTO catalog VALUES(4001,'HP and Goblet Of Fire',1001,2001,3001,2002,600); |
|  | INSERT INTO catalog VALUES(4002,'HP and Order Of Phoenix',1001,2002,3001,2005,650); |
|  | INSERT INTO catalog VALUES(4003,'Two States',1002,2004,3001,2009,65); |
|  | INSERT INTO catalog VALUES(4004,'3 Mistakes of my life',1002,2004,3001,2007,55); |
|  | INSERT INTO catalog VALUES(4005,'Da Vinci Code',1004,2003,3001,2004,450); |
|  | INSERT INTO catalog VALUES(4006,'Angels and Demons',1004,2003,3001,2003,350); |
|  | INSERT INTO catalog VALUES(4007,'Artificial Intelligence',1003,2002,3002,1970,500); |
|  | COMMIT; |
|  | SELECT \* FROM catalog; |
|  |  |
|  | INSERT INTO order\_details VALUES(5001,4001,5); |
|  | INSERT INTO order\_details VALUES(5002,4002,7); |
|  | INSERT INTO order\_details VALUES(5003,4003,15); |
|  | INSERT INTO order\_details VALUES(5004,4004,11); |
|  | INSERT INTO order\_details VALUES(5005,4005,9); |
|  | INSERT INTO order\_details VALUES(5006,4006,8); |
|  | INSERT INTO order\_details VALUES(5007,4007,2); |
|  | INSERT INTO order\_details VALUES(5008,4004,3); |
|  | COMMIT; |
|  | SELECT \* FROM order\_details; |
|  |  |
|  | SELECT \* FROM author |
|  | WHERE author\_id IN |
|  | (SELECT author\_id FROM catalog |
|  | WHERE year>2000 AND price>(SELECT AVG(price) FROM catalog) |
|  | GROUP BY author\_id HAVING COUNT(\*)>1); |
|  |  |
|  | SELECT a.author\_name FROM author a,catalog c WHERE a.author\_id=c.author\_id AND book\_id IN (SELECT book\_id FROM order\_details WHERE quantity = (SELECT MAX(quantity) FROM order\_details)); |
|  |  |
|  | SET SQL\_SAFE\_UPDATES = 0; |
|  | UPDATE catalog SET price=1.1\*price |
|  | WHERE publisher\_id IN |
|  | (SELECT publisher\_id FROM publisher WHERE publisher\_name='pearson'); |
|  | SELECT \* FROM catalog; |
|  | SET SQL\_SAFE\_UPDATES = 1; |