Lab 7

```
CREATE TABLE author( author_id INT, author_name VARCHAR(20), author_city VARCHAR(20), author_country VARCHAR(20), PRIMARY KEY(author_id))
```

[Edit inline] [Edit] [Create PHP code]

```
CREATE TABLE publisher ( publisher_id INT, publisher_name VARCHAR(20), publisher_city VARCHAR(20), publisher_country VARCHAR(20), PRIMARY KEY(publisher_id))
```

[Edit inline] [Edit] [Create PHP code]

```
CREATE TABLE category ( category_id INT, description VARCHAR(30), PRIMARY KEY(category_id) )
```

[Edit inline] [Edit] [Create PHP code]

```
CREATE TABLE catalogue( 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) )
```

[Edit inline] [Edit] [Create PHP code]

```
CREATE TABLE orderdetails( order_id INT, book_id INT, quantity INT, PRIMARY KEY(order_id), FOREIGN KEY(book_id) REFERENCES catalogue(book_id))
```

[Edit inline] [Edit] [Create PHP code]

AUTHOR:

	author_id	author_name	author_city	author_country
🖉 Edit ⧉ Copy ⊖ Delete	1001	JK Rowling	London	England
🖉 Edit ⧉ Copy ⊖ Delete	1002	Chetan Bhagat	Mumbai	India
🖉 Edit ⧉ Copy ⊖ Delete	1003	John McCarthy	Chicago	USA
🖉 Edit ⧉ Copy ⊖ Delete	1004	Dan Brown	California	USA

PUBLISHER:

	publisher_id	publisher_name	publisher_city	publisher_country
🖉 Edit ⧉ Copy ⊖ Delete	2001	Bloomsbury	London	England
🖉 Edit ⧉ Copy ⊖ Delete	2002	Scholastic	Washington	USA
🖉 Edit ⧉ Copy ⊖ Delete	2003	Pearson	London	England
🖉 Edit ⧉ Copy ⊖ Delete	2004	Rupa	Delhi	India

CATEGORY:

	category_id	description
☐ 🖉 Edit 🖹 Copy ⊖ Delete	3001	Fiction
☐ 🖉 Edit 🖹 Copy ⊖ Delete	3002	Non-Fiction
☐ 🖉 Edit 🖹 Copy ⊖ Delete	3003	thriller
☐ 🖉 Edit 🖹 Copy ⊖ Delete	3004	action
☐ 🖉 Edit 🖹 Copy ⊖ Delete	3005	fiction

CATALOG:

	book_id	book_title	author_id	publisher_id	category_id	year	price
☐ 🖉 Edit 🖹 Copy ⊖ Delete	4001	HP and Goblet Of Fire	1001	2001	3001	2002	600
☐ 🖉 Edit 🖹 Copy ⊖ Delete	4002	HP and Order Of Phoenix	1001	2002	3001	2005	650
☐ 🖉 Edit 🖹 Copy ⊖ Delete	4003	Two States	1002	2004	3001	2009	65
☐ 🖉 Edit 🖹 Copy ⊖ Delete	4004	3 Mistakes of my life	1002	2004	3001	2007	55
☐ 🖉 Edit 🖹 Copy ⊖ Delete	4005	Da Vinci Code	1004	2003	3001	2004	450
☐ 🖉 Edit 🖹 Copy ⊖ Delete	4006	Angels and Demons	1004	2003	3001	2003	350
☐ 🖉 Edit 🖹 Copy ⊖ Delete	4007	Artificial Intelligence	1003	2002	3002	1970	500

ORDERDETAILS:

	order_id	book_id	quantity
☐ 🖉 Edit 🖹 Copy ⊖ Delete	5001	4001	5
☐ 🖉 Edit 🖹 Copy ⊖ Delete	5002	4002	7
☐ 🖉 Edit 🖹 Copy ⊖ Delete	5003	4003	15
☐ 🖉 Edit 🖹 Copy ⊖ Delete	5004	4004	11
☐ 🖉 Edit 🖹 Copy ⊖ Delete	5005	4005	9
☐ 🖉 Edit 🖹 Copy ⊖ Delete	5006	4006	8
☐ 🖉 Edit 🖹 Copy ⊖ Delete	5007	4007	2
☐ 🖉 Edit 🖹 Copy ⊖ Delete	5008	4004	3

- Give the details of the authors who have 2 or more books in the catalog and the price of the books is greater than the average price of the books in the catalog and the year of publication is after 2000.

Showing rows 0 - 0 (1 total, Query took 0.0169 seconds.)

SELECT * FROM author WHERE author_id IN (SELECT author_id FROM catalogue WHERE year>2000 AND price> (SELECT AVG(price) FROM catalogue) GROUP BY author_id HAVING COUNT(*)>1)

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ⌄ | Filter rows: Search this table

+ Options

	author_id	author_name	author_city	author_country
☐ 🖉 Edit 🖹 Copy ⊖ Delete	1001	JK Rowling	London	England

- Find the author of the book which has maximum sales.

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table

+ Options

author_name
Chetan Bhagat

- Demonstrate how you increase the price of books published by a specific publisher by 10%.

←T→	▼	book_id	book_title	author_id	publisher_id	category_id	year	price
☐	🖉 Edit 🏗 Copy ⊝ Delete	4001	HP and Goblet Of Fire	1001	2001	3001	2002	600
☐	🖉 Edit 🏗 Copy ⊝ Delete	4002	HP and Order Of Phoenix	1001	2002	3001	2005	650
☐	🖉 Edit 🏗 Copy ⊝ Delete	4003	Two States	1002	2004	3001	2009	65
☐	🖉 Edit 🏗 Copy ⊝ Delete	4004	3 Mistakes of my life	1002	2004	3001	2007	55
☐	🖉 Edit 🏗 Copy ⊝ Delete	4005	Da Vinci Code	1004	2003	3001	2004	545
☐	🖉 Edit 🏗 Copy ⊝ Delete	4006	Angels and Demons	1004	2003	3001	2003	424
☐	🖉 Edit 🏗 Copy ⊝ Delete	4007	Artificial Intelligence	1003	2002	3002	1970	500