

Week04 - Testing Database
SQL to check the tables

Q1. Check that each table will display the output presented in the individual tables

Code	Expected Output (Comment)	Actual Output (Screenshot)																																																																													
Select * From users;	All records display (10 records)	<table><tr><th>user_id</th><th>firstname</th><th>lastname</th><th>email</th><th>password</th><th>reg_date</th><th>payment_id</th></tr><tr><td>1</td><td>John</td><td>Doe</td><td>johndoe@example.com</td><td>password123</td><td>2023-05-01 00:00:00</td><td>1001</td></tr><tr><td>2</td><td>Jane</td><td>Smith</td><td>janesmith@example.com</td><td>p@ssw0rd456</td><td>2023-05-02 00:00:00</td><td>1002</td></tr><tr><td>3</td><td>Michael</td><td>Johnson</td><td>michaeljohnson@example.com</td><td>securepass</td><td>2023-05-03 00:00:00</td><td>1003</td></tr><tr><td>4</td><td>Emily</td><td>Brown</td><td>emilybrown@example.com</td><td>qwerty123</td><td>2023-05-04 00:00:00</td><td>1004</td></tr><tr><td>5</td><td>David</td><td>Wilson</td><td>davidwilson@example.com</td><td>password321</td><td>2023-05-05 00:00:00</td><td>1005</td></tr><tr><td>6</td><td>Sarah</td><td>Taylor</td><td>sarahtaylor@example.com</td><td>safePASS</td><td>2023-05-06 00:00:00</td><td>1006</td></tr><tr><td>7</td><td>Matthew</td><td>Anderson</td><td>matthewanderson@example.com</td><td>pass1234</td><td>2023-05-07 00:00:00</td><td>1007</td></tr><tr><td>8</td><td>Olivia</td><td>Lee</td><td>olivialeee@example.com</td><td>password789</td><td>2023-05-08 00:00:00</td><td>1008</td></tr><tr><td>9</td><td>Daniel</td><td>Martinez</td><td>danielmartinez@example.com</td><td>danielpass</td><td>2023-05-09 00:00:00</td><td>1009</td></tr><tr><td>10</td><td>Sophia</td><td>Garcia</td><td>sophiagarcia@example.com</td><td>pass4567</td><td>2023-05-10 00:00:00</td><td>1010</td></tr></table>	user_id	firstname	lastname	email	password	reg_date	payment_id	1	John	Doe	johndoe@example.com	password123	2023-05-01 00:00:00	1001	2	Jane	Smith	janesmith@example.com	p@ssw0rd456	2023-05-02 00:00:00	1002	3	Michael	Johnson	michaeljohnson@example.com	securepass	2023-05-03 00:00:00	1003	4	Emily	Brown	emilybrown@example.com	qwerty123	2023-05-04 00:00:00	1004	5	David	Wilson	davidwilson@example.com	password321	2023-05-05 00:00:00	1005	6	Sarah	Taylor	sarahtaylor@example.com	safePASS	2023-05-06 00:00:00	1006	7	Matthew	Anderson	matthewanderson@example.com	pass1234	2023-05-07 00:00:00	1007	8	Olivia	Lee	olivialeee@example.com	password789	2023-05-08 00:00:00	1008	9	Daniel	Martinez	danielmartinez@example.com	danielpass	2023-05-09 00:00:00	1009	10	Sophia	Garcia	sophiagarcia@example.com	pass4567	2023-05-10 00:00:00	1010
		user_id	firstname	lastname	email	password	reg_date	payment_id																																																																							
		1	John	Doe	johndoe@example.com	password123	2023-05-01 00:00:00	1001																																																																							
		2	Jane	Smith	janesmith@example.com	p@ssw0rd456	2023-05-02 00:00:00	1002																																																																							
		3	Michael	Johnson	michaeljohnson@example.com	securepass	2023-05-03 00:00:00	1003																																																																							
		4	Emily	Brown	emilybrown@example.com	qwerty123	2023-05-04 00:00:00	1004																																																																							
		5	David	Wilson	davidwilson@example.com	password321	2023-05-05 00:00:00	1005																																																																							
		6	Sarah	Taylor	sarahtaylor@example.com	safePASS	2023-05-06 00:00:00	1006																																																																							
		7	Matthew	Anderson	matthewanderson@example.com	pass1234	2023-05-07 00:00:00	1007																																																																							
		8	Olivia	Lee	olivialeee@example.com	password789	2023-05-08 00:00:00	1008																																																																							
		9	Daniel	Martinez	danielmartinez@example.com	danielpass	2023-05-09 00:00:00	1009																																																																							
10	Sophia	Garcia	sophiagarcia@example.com	pass4567	2023-05-10 00:00:00	1010																																																																									

Q2. Show the output from two of the adjacent tables in turn – that is orders and item; users and item

Code	Expected Output (Comment)	Actual Output (Screenshot)																																																																																																																																																										
<pre>SELECT o.user_id, o.item_id, o.total, o.order_date, o.quantity, o.payment_id, i.item_name, i.item_desc, i.item_img, i.item_price FROM orders o JOIN items i ON o.item_id = i.item_id;</pre>	Orders and items = 10 orders over 5 different items, for a total of 18 items sold.	<table><tr><th>user_id</th><th>item_id</th><th>total</th><th>order_date</th><th>quantity</th><th>payment_id</th><th>item_name</th><th>item_desc</th><th>item_img</th><th>item_price</th></tr><tr><td>1</td><td>1</td><td>21.98</td><td>2023-05-01 00:00:00</td><td>2</td><td>1001</td><td>Item 1</td><td>Description 1</td><td>image1.jpg</td><td>10.99</td></tr><tr><td>1</td><td>3</td><td>8.99</td><td>2023-05-02 00:00:00</td><td>1</td><td>1002</td><td>Item 3</td><td>Description 3</td><td>image3.jpg</td><td>8.99</td></tr><tr><td>1</td><td>4</td><td>12.99</td><td>2023-05-10 00:00:00</td><td>1</td><td>1010</td><td>Item 4</td><td>Description 4</td><td>image4.jpg</td><td>12.99</td></tr><tr><td>2</td><td>1</td><td>21.98</td><td>2023-05-06 00:00:00</td><td>2</td><td>1006</td><td>Item 1</td><td>Description 1</td><td>image1.jpg</td><td>10.99</td></tr><tr><td>2</td><td>2</td><td>47.97</td><td>2023-05-03 00:00:00</td><td>3</td><td>1003</td><td>Item 2</td><td>Description 2</td><td>image2.jpg</td><td>15.99</td></tr><tr><td>3</td><td>3</td><td>8.99</td><td>2023-05-07 00:00:00</td><td>1</td><td>1007</td><td>Item 3</td><td>Description 3</td><td>image3.jpg</td><td>8.99</td></tr><tr><td>3</td><td>5</td><td>39.98</td><td>2023-05-04 00:00:00</td><td>2</td><td>1004</td><td>Item 5</td><td>Description 5</td><td>image5.jpg</td><td>19.99</td></tr><tr><td>4</td><td>2</td><td>31.98</td><td>2023-05-09 00:00:00</td><td>2</td><td>1009</td><td>Item 2</td><td>Description 2</td><td>image2.jpg</td><td>15.99</td></tr><tr><td>4</td><td>4</td><td>12.99</td><td>2023-05-05 00:00:00</td><td>1</td><td>1005</td><td>Item 4</td><td>Description 4</td><td>image4.jpg</td><td>12.99</td></tr><tr><td>5</td><td>5</td><td>59.97</td><td>2023-05-08 00:00:00</td><td>3</td><td>1008</td><td>Item 5</td><td>Description 5</td><td>image5.jpg</td><td>19.99</td></tr></table>	user_id	item_id	total	order_date	quantity	payment_id	item_name	item_desc	item_img	item_price	1	1	21.98	2023-05-01 00:00:00	2	1001	Item 1	Description 1	image1.jpg	10.99	1	3	8.99	2023-05-02 00:00:00	1	1002	Item 3	Description 3	image3.jpg	8.99	1	4	12.99	2023-05-10 00:00:00	1	1010	Item 4	Description 4	image4.jpg	12.99	2	1	21.98	2023-05-06 00:00:00	2	1006	Item 1	Description 1	image1.jpg	10.99	2	2	47.97	2023-05-03 00:00:00	3	1003	Item 2	Description 2	image2.jpg	15.99	3	3	8.99	2023-05-07 00:00:00	1	1007	Item 3	Description 3	image3.jpg	8.99	3	5	39.98	2023-05-04 00:00:00	2	1004	Item 5	Description 5	image5.jpg	19.99	4	2	31.98	2023-05-09 00:00:00	2	1009	Item 2	Description 2	image2.jpg	15.99	4	4	12.99	2023-05-05 00:00:00	1	1005	Item 4	Description 4	image4.jpg	12.99	5	5	59.97	2023-05-08 00:00:00	3	1008	Item 5	Description 5	image5.jpg	19.99																																												
user_id	item_id	total	order_date	quantity	payment_id	item_name	item_desc	item_img	item_price																																																																																																																																																			
1	1	21.98	2023-05-01 00:00:00	2	1001	Item 1	Description 1	image1.jpg	10.99																																																																																																																																																			
1	3	8.99	2023-05-02 00:00:00	1	1002	Item 3	Description 3	image3.jpg	8.99																																																																																																																																																			
1	4	12.99	2023-05-10 00:00:00	1	1010	Item 4	Description 4	image4.jpg	12.99																																																																																																																																																			
2	1	21.98	2023-05-06 00:00:00	2	1006	Item 1	Description 1	image1.jpg	10.99																																																																																																																																																			
2	2	47.97	2023-05-03 00:00:00	3	1003	Item 2	Description 2	image2.jpg	15.99																																																																																																																																																			
3	3	8.99	2023-05-07 00:00:00	1	1007	Item 3	Description 3	image3.jpg	8.99																																																																																																																																																			
3	5	39.98	2023-05-04 00:00:00	2	1004	Item 5	Description 5	image5.jpg	19.99																																																																																																																																																			
4	2	31.98	2023-05-09 00:00:00	2	1009	Item 2	Description 2	image2.jpg	15.99																																																																																																																																																			
4	4	12.99	2023-05-05 00:00:00	1	1005	Item 4	Description 4	image4.jpg	12.99																																																																																																																																																			
5	5	59.97	2023-05-08 00:00:00	3	1008	Item 5	Description 5	image5.jpg	19.99																																																																																																																																																			
<pre>SELECT u.user_id, u.firstname, u.lastname, u.email, u.reg_date, o.item_id, i.item_name, i.item_desc, i.item_img, i.item_price,</pre>	Users and Items = 5 users who purchased among 5 items.	<table><tr><th>user_id</th><th>firstname</th><th>lastname</th><th>email</th><th>reg_date</th><th>item_id</th><th>item_name</th><th>item_desc</th><th>item_img</th><th>item_price</th><th>total</th><th>order_date</th><th>quantity</th><th>payment_id</th></tr><tr><td>1</td><td>John</td><td>Doe</td><td>johndoe@example.com</td><td>2023-05-01 00:00:00</td><td>1</td><td>Item 1</td><td>Description 1</td><td>image1.jpg</td><td>10.99</td><td>21.98</td><td>2023-05-01 00:00:00</td><td>2</td><td>1001</td></tr><tr><td>1</td><td>John</td><td>Doe</td><td>johndoe@example.com</td><td>2023-05-01 00:00:00</td><td>3</td><td>Item 3</td><td>Description 3</td><td>image3.jpg</td><td>8.99</td><td>8.99</td><td>2023-05-02 00:00:00</td><td>1</td><td>1002</td></tr><tr><td>1</td><td>John</td><td>Doe</td><td>johndoe@example.com</td><td>2023-05-01 00:00:00</td><td>4</td><td>Item 4</td><td>Description 4</td><td>image4.jpg</td><td>12.99</td><td>12.99</td><td>2023-05-10 00:00:00</td><td>1</td><td>1010</td></tr><tr><td>2</td><td>Jane</td><td>Smith</td><td>janesmith@example.com</td><td>2023-05-02 00:00:00</td><td>1</td><td>Item 1</td><td>Description 1</td><td>image1.jpg</td><td>10.99</td><td>21.98</td><td>2023-05-06 00:00:00</td><td>2</td><td>1006</td></tr><tr><td>2</td><td>Jane</td><td>Smith</td><td>janesmith@example.com</td><td>2023-05-02 00:00:00</td><td>2</td><td>Item 2</td><td>Description 2</td><td>image2.jpg</td><td>15.99</td><td>47.97</td><td>2023-05-03 00:00:00</td><td>3</td><td>1003</td></tr><tr><td>3</td><td>Michael</td><td>Johnson</td><td>michaeljohnson@example.com</td><td>2023-05-03 00:00:00</td><td>3</td><td>Item 3</td><td>Description 3</td><td>image3.jpg</td><td>8.99</td><td>8.99</td><td>2023-05-07 00:00:00</td><td>1</td><td>1007</td></tr><tr><td>3</td><td>Michael</td><td>Johnson</td><td>michaeljohnson@example.com</td><td>2023-05-03 00:00:00</td><td>5</td><td>Item 5</td><td>Description 5</td><td>image5.jpg</td><td>19.99</td><td>39.98</td><td>2023-05-04 00:00:00</td><td>2</td><td>1004</td></tr><tr><td>4</td><td>Emily</td><td>Brown</td><td>emilybrown@example.com</td><td>2023-05-04 00:00:00</td><td>2</td><td>Item 2</td><td>Description 2</td><td>image2.jpg</td><td>15.99</td><td>31.98</td><td>2023-05-09 00:00:00</td><td>2</td><td>1009</td></tr><tr><td>4</td><td>Emily</td><td>Brown</td><td>emilybrown@example.com</td><td>2023-05-04 00:00:00</td><td>4</td><td>Item 4</td><td>Description 4</td><td>image4.jpg</td><td>12.99</td><td>12.99</td><td>2023-05-05 00:00:00</td><td>1</td><td>1005</td></tr><tr><td>5</td><td>David</td><td>Wilson</td><td>davidwilson@example.com</td><td>2023-05-05 00:00:00</td><td>5</td><td>Item 5</td><td>Description 5</td><td>image5.jpg</td><td>19.99</td><td>59.97</td><td>2023-05-08 00:00:00</td><td>3</td><td>1008</td></tr></table>	user_id	firstname	lastname	email	reg_date	item_id	item_name	item_desc	item_img	item_price	total	order_date	quantity	payment_id	1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	1	Item 1	Description 1	image1.jpg	10.99	21.98	2023-05-01 00:00:00	2	1001	1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	3	Item 3	Description 3	image3.jpg	8.99	8.99	2023-05-02 00:00:00	1	1002	1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	4	Item 4	Description 4	image4.jpg	12.99	12.99	2023-05-10 00:00:00	1	1010	2	Jane	Smith	janesmith@example.com	2023-05-02 00:00:00	1	Item 1	Description 1	image1.jpg	10.99	21.98	2023-05-06 00:00:00	2	1006	2	Jane	Smith	janesmith@example.com	2023-05-02 00:00:00	2	Item 2	Description 2	image2.jpg	15.99	47.97	2023-05-03 00:00:00	3	1003	3	Michael	Johnson	michaeljohnson@example.com	2023-05-03 00:00:00	3	Item 3	Description 3	image3.jpg	8.99	8.99	2023-05-07 00:00:00	1	1007	3	Michael	Johnson	michaeljohnson@example.com	2023-05-03 00:00:00	5	Item 5	Description 5	image5.jpg	19.99	39.98	2023-05-04 00:00:00	2	1004	4	Emily	Brown	emilybrown@example.com	2023-05-04 00:00:00	2	Item 2	Description 2	image2.jpg	15.99	31.98	2023-05-09 00:00:00	2	1009	4	Emily	Brown	emilybrown@example.com	2023-05-04 00:00:00	4	Item 4	Description 4	image4.jpg	12.99	12.99	2023-05-05 00:00:00	1	1005	5	David	Wilson	davidwilson@example.com	2023-05-05 00:00:00	5	Item 5	Description 5	image5.jpg	19.99	59.97	2023-05-08 00:00:00	3	1008
user_id	firstname	lastname	email	reg_date	item_id	item_name	item_desc	item_img	item_price	total	order_date	quantity	payment_id																																																																																																																																															
1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	1	Item 1	Description 1	image1.jpg	10.99	21.98	2023-05-01 00:00:00	2	1001																																																																																																																																															
1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	3	Item 3	Description 3	image3.jpg	8.99	8.99	2023-05-02 00:00:00	1	1002																																																																																																																																															
1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	4	Item 4	Description 4	image4.jpg	12.99	12.99	2023-05-10 00:00:00	1	1010																																																																																																																																															
2	Jane	Smith	janesmith@example.com	2023-05-02 00:00:00	1	Item 1	Description 1	image1.jpg	10.99	21.98	2023-05-06 00:00:00	2	1006																																																																																																																																															
2	Jane	Smith	janesmith@example.com	2023-05-02 00:00:00	2	Item 2	Description 2	image2.jpg	15.99	47.97	2023-05-03 00:00:00	3	1003																																																																																																																																															
3	Michael	Johnson	michaeljohnson@example.com	2023-05-03 00:00:00	3	Item 3	Description 3	image3.jpg	8.99	8.99	2023-05-07 00:00:00	1	1007																																																																																																																																															
3	Michael	Johnson	michaeljohnson@example.com	2023-05-03 00:00:00	5	Item 5	Description 5	image5.jpg	19.99	39.98	2023-05-04 00:00:00	2	1004																																																																																																																																															
4	Emily	Brown	emilybrown@example.com	2023-05-04 00:00:00	2	Item 2	Description 2	image2.jpg	15.99	31.98	2023-05-09 00:00:00	2	1009																																																																																																																																															
4	Emily	Brown	emilybrown@example.com	2023-05-04 00:00:00	4	Item 4	Description 4	image4.jpg	12.99	12.99	2023-05-05 00:00:00	1	1005																																																																																																																																															
5	David	Wilson	davidwilson@example.com	2023-05-05 00:00:00	5	Item 5	Description 5	image5.jpg	19.99	59.97	2023-05-08 00:00:00	3	1008																																																																																																																																															

<pre> o.total, o.order_date, o.quantity, o.payment_id FROM users u JOIN orders o ON u.user_id = o.user_id JOIN items i ON o.item_id = i.item_id;</pre>		
--	--	--

Q3. Connect all three tables and display the output that shows the output from these three tables – users, orders and item.

Code	Expected Output (Comment)	Actual Output (Screenshot)																																																																																																																																																										
SELECT u.user_id, u.firstname, u.lastname, u.email, u.reg_date, o.item_id, o.total, o.order_date, o.quantity, o.payment_id, i.item_name, i.item_desc,	5 users who made 10 orders, buying among 5 out of 10 items.	<table><tr><th>user_id</th><th>firstname</th><th>lastname</th><th>email</th><th>reg_date</th><th>item_id</th><th>total</th><th>order_date</th><th>quantity</th><th>payment_id</th><th>item_name</th><th>item_desc</th><th>item_img</th><th>item_price</th></tr><tr><td>1</td><td>John</td><td>Doe</td><td>johndoe@example.com</td><td>2023-05-01 00:00:00</td><td>1</td><td>21.98</td><td>2023-05-01 00:00:00</td><td>2</td><td>1001</td><td>Item 1</td><td>Description 1</td><td>image1.jpg</td><td>10.99</td></tr><tr><td>1</td><td>John</td><td>Doe</td><td>johndoe@example.com</td><td>2023-05-01 00:00:00</td><td>3</td><td>8.99</td><td>2023-05-02 00:00:00</td><td>1</td><td>1002</td><td>Item 3</td><td>Description 3</td><td>image3.jpg</td><td>8.99</td></tr><tr><td>1</td><td>John</td><td>Doe</td><td>johndoe@example.com</td><td>2023-05-01 00:00:00</td><td>4</td><td>12.99</td><td>2023-05-10 00:00:00</td><td>1</td><td>1010</td><td>Item 4</td><td>Description 4</td><td>image4.jpg</td><td>12.99</td></tr><tr><td>2</td><td>Jane</td><td>Smith</td><td>janesmith@example.com</td><td>2023-05-02 00:00:00</td><td>1</td><td>21.98</td><td>2023-05-06 00:00:00</td><td>2</td><td>1006</td><td>Item 1</td><td>Description 1</td><td>image1.jpg</td><td>10.99</td></tr><tr><td>2</td><td>Jane</td><td>Smith</td><td>janesmith@example.com</td><td>2023-05-02 00:00:00</td><td>2</td><td>47.97</td><td>2023-05-03 00:00:00</td><td>3</td><td>1003</td><td>Item 2</td><td>Description 2</td><td>image2.jpg</td><td>15.99</td></tr><tr><td>3</td><td>Michael</td><td>Johnson</td><td>michaeljohnson@example.com</td><td>2023-05-03 00:00:00</td><td>3</td><td>8.99</td><td>2023-05-07 00:00:00</td><td>1</td><td>1007</td><td>Item 3</td><td>Description 3</td><td>image3.jpg</td><td>8.99</td></tr><tr><td>3</td><td>Michael</td><td>Johnson</td><td>michaeljohnson@example.com</td><td>2023-05-03 00:00:00</td><td>5</td><td>39.98</td><td>2023-05-04 00:00:00</td><td>2</td><td>1004</td><td>Item 5</td><td>Description 5</td><td>image5.jpg</td><td>19.99</td></tr><tr><td>4</td><td>Emily</td><td>Brown</td><td>emilybrown@example.com</td><td>2023-05-04 00:00:00</td><td>2</td><td>31.98</td><td>2023-05-09 00:00:00</td><td>2</td><td>1009</td><td>Item 2</td><td>Description 2</td><td>image2.jpg</td><td>15.99</td></tr><tr><td>4</td><td>Emily</td><td>Brown</td><td>emilybrown@example.com</td><td>2023-05-04 00:00:00</td><td>4</td><td>12.99</td><td>2023-05-05 00:00:00</td><td>1</td><td>1005</td><td>Item 4</td><td>Description 4</td><td>image4.jpg</td><td>12.99</td></tr><tr><td>5</td><td>David</td><td>Wilson</td><td>davidwilson@example.com</td><td>2023-05-05 00:00:00</td><td>5</td><td>59.97</td><td>2023-05-08 00:00:00</td><td>3</td><td>1008</td><td>Item 5</td><td>Description 5</td><td>image5.jpg</td><td>19.99</td></tr></table>	user_id	firstname	lastname	email	reg_date	item_id	total	order_date	quantity	payment_id	item_name	item_desc	item_img	item_price	1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	1	21.98	2023-05-01 00:00:00	2	1001	Item 1	Description 1	image1.jpg	10.99	1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	3	8.99	2023-05-02 00:00:00	1	1002	Item 3	Description 3	image3.jpg	8.99	1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	4	12.99	2023-05-10 00:00:00	1	1010	Item 4	Description 4	image4.jpg	12.99	2	Jane	Smith	janesmith@example.com	2023-05-02 00:00:00	1	21.98	2023-05-06 00:00:00	2	1006	Item 1	Description 1	image1.jpg	10.99	2	Jane	Smith	janesmith@example.com	2023-05-02 00:00:00	2	47.97	2023-05-03 00:00:00	3	1003	Item 2	Description 2	image2.jpg	15.99	3	Michael	Johnson	michaeljohnson@example.com	2023-05-03 00:00:00	3	8.99	2023-05-07 00:00:00	1	1007	Item 3	Description 3	image3.jpg	8.99	3	Michael	Johnson	michaeljohnson@example.com	2023-05-03 00:00:00	5	39.98	2023-05-04 00:00:00	2	1004	Item 5	Description 5	image5.jpg	19.99	4	Emily	Brown	emilybrown@example.com	2023-05-04 00:00:00	2	31.98	2023-05-09 00:00:00	2	1009	Item 2	Description 2	image2.jpg	15.99	4	Emily	Brown	emilybrown@example.com	2023-05-04 00:00:00	4	12.99	2023-05-05 00:00:00	1	1005	Item 4	Description 4	image4.jpg	12.99	5	David	Wilson	davidwilson@example.com	2023-05-05 00:00:00	5	59.97	2023-05-08 00:00:00	3	1008	Item 5	Description 5	image5.jpg	19.99
user_id	firstname	lastname	email	reg_date	item_id	total	order_date	quantity	payment_id	item_name	item_desc	item_img	item_price																																																																																																																																															
1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	1	21.98	2023-05-01 00:00:00	2	1001	Item 1	Description 1	image1.jpg	10.99																																																																																																																																															
1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	3	8.99	2023-05-02 00:00:00	1	1002	Item 3	Description 3	image3.jpg	8.99																																																																																																																																															
1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	4	12.99	2023-05-10 00:00:00	1	1010	Item 4	Description 4	image4.jpg	12.99																																																																																																																																															
2	Jane	Smith	janesmith@example.com	2023-05-02 00:00:00	1	21.98	2023-05-06 00:00:00	2	1006	Item 1	Description 1	image1.jpg	10.99																																																																																																																																															
2	Jane	Smith	janesmith@example.com	2023-05-02 00:00:00	2	47.97	2023-05-03 00:00:00	3	1003	Item 2	Description 2	image2.jpg	15.99																																																																																																																																															
3	Michael	Johnson	michaeljohnson@example.com	2023-05-03 00:00:00	3	8.99	2023-05-07 00:00:00	1	1007	Item 3	Description 3	image3.jpg	8.99																																																																																																																																															
3	Michael	Johnson	michaeljohnson@example.com	2023-05-03 00:00:00	5	39.98	2023-05-04 00:00:00	2	1004	Item 5	Description 5	image5.jpg	19.99																																																																																																																																															
4	Emily	Brown	emilybrown@example.com	2023-05-04 00:00:00	2	31.98	2023-05-09 00:00:00	2	1009	Item 2	Description 2	image2.jpg	15.99																																																																																																																																															
4	Emily	Brown	emilybrown@example.com	2023-05-04 00:00:00	4	12.99	2023-05-05 00:00:00	1	1005	Item 4	Description 4	image4.jpg	12.99																																																																																																																																															
5	David	Wilson	davidwilson@example.com	2023-05-05 00:00:00	5	59.97	2023-05-08 00:00:00	3	1008	Item 5	Description 5	image5.jpg	19.99																																																																																																																																															

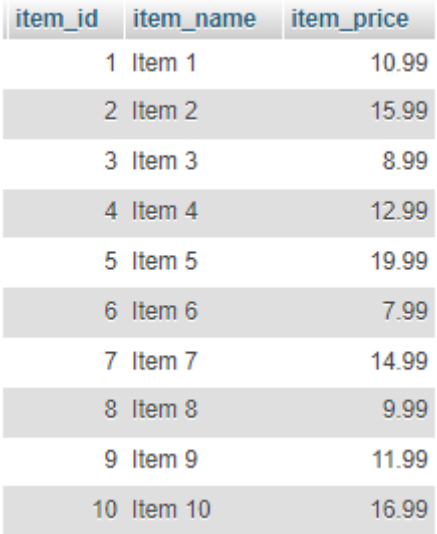
i.item_img, i.item_price FROM users u JOIN orders o ON u.user_id = o.user_id JOIN items i ON o.item_id = i.item_id;		
--	--	--

Q4. Create a query that will show the user and items – so link these two.

Code	Expected Output (Comment)	Actual Output (Screenshot)																																																																																																														
SELECT u.user_id, u.firstname, u.lastname, u.email, u.reg_date, i.item_id, i.item_name, i.item_desc, i.item_img, i.item_price FROM users u JOIN orders o ON	5 users who purchased among 5 items out of 10 sold by the shop.	<table><tr><th>user_id</th><th>firstname</th><th>lastname</th><th>email</th><th>reg_date</th><th>item_id</th><th>item_name</th><th>item_desc</th><th>item_img</th><th>item_price</th></tr><tr><td>1</td><td>John</td><td>Doe</td><td>johndoe@example.com</td><td>2023-05-01 00:00:00</td><td>1</td><td>Item 1</td><td>Description 1</td><td>image1.jpg</td><td>10.99</td></tr><tr><td>2</td><td>Jane</td><td>Smith</td><td>janesmith@example.com</td><td>2023-05-02 00:00:00</td><td>1</td><td>Item 1</td><td>Description 1</td><td>image1.jpg</td><td>10.99</td></tr><tr><td>2</td><td>Jane</td><td>Smith</td><td>janesmith@example.com</td><td>2023-05-02 00:00:00</td><td>2</td><td>Item 2</td><td>Description 2</td><td>image2.jpg</td><td>15.99</td></tr><tr><td>4</td><td>Emily</td><td>Brown</td><td>emilybrown@example.com</td><td>2023-05-04 00:00:00</td><td>2</td><td>Item 2</td><td>Description 2</td><td>image2.jpg</td><td>15.99</td></tr><tr><td>1</td><td>John</td><td>Doe</td><td>johndoe@example.com</td><td>2023-05-01 00:00:00</td><td>3</td><td>Item 3</td><td>Description 3</td><td>image3.jpg</td><td>8.99</td></tr><tr><td>3</td><td>Michael</td><td>Johnson</td><td>michaeljohnson@example.com</td><td>2023-05-03 00:00:00</td><td>3</td><td>Item 3</td><td>Description 3</td><td>image3.jpg</td><td>8.99</td></tr><tr><td>1</td><td>John</td><td>Doe</td><td>johndoe@example.com</td><td>2023-05-01 00:00:00</td><td>4</td><td>Item 4</td><td>Description 4</td><td>image4.jpg</td><td>12.99</td></tr><tr><td>4</td><td>Emily</td><td>Brown</td><td>emilybrown@example.com</td><td>2023-05-04 00:00:00</td><td>4</td><td>Item 4</td><td>Description 4</td><td>image4.jpg</td><td>12.99</td></tr><tr><td>3</td><td>Michael</td><td>Johnson</td><td>michaeljohnson@example.com</td><td>2023-05-03 00:00:00</td><td>5</td><td>Item 5</td><td>Description 5</td><td>image5.jpg</td><td>19.99</td></tr><tr><td>5</td><td>David</td><td>Wilson</td><td>davidwilson@example.com</td><td>2023-05-05 00:00:00</td><td>5</td><td>Item 5</td><td>Description 5</td><td>image5.jpg</td><td>19.99</td></tr></table>	user_id	firstname	lastname	email	reg_date	item_id	item_name	item_desc	item_img	item_price	1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	1	Item 1	Description 1	image1.jpg	10.99	2	Jane	Smith	janesmith@example.com	2023-05-02 00:00:00	1	Item 1	Description 1	image1.jpg	10.99	2	Jane	Smith	janesmith@example.com	2023-05-02 00:00:00	2	Item 2	Description 2	image2.jpg	15.99	4	Emily	Brown	emilybrown@example.com	2023-05-04 00:00:00	2	Item 2	Description 2	image2.jpg	15.99	1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	3	Item 3	Description 3	image3.jpg	8.99	3	Michael	Johnson	michaeljohnson@example.com	2023-05-03 00:00:00	3	Item 3	Description 3	image3.jpg	8.99	1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	4	Item 4	Description 4	image4.jpg	12.99	4	Emily	Brown	emilybrown@example.com	2023-05-04 00:00:00	4	Item 4	Description 4	image4.jpg	12.99	3	Michael	Johnson	michaeljohnson@example.com	2023-05-03 00:00:00	5	Item 5	Description 5	image5.jpg	19.99	5	David	Wilson	davidwilson@example.com	2023-05-05 00:00:00	5	Item 5	Description 5	image5.jpg	19.99
user_id	firstname	lastname	email	reg_date	item_id	item_name	item_desc	item_img	item_price																																																																																																							
1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	1	Item 1	Description 1	image1.jpg	10.99																																																																																																							
2	Jane	Smith	janesmith@example.com	2023-05-02 00:00:00	1	Item 1	Description 1	image1.jpg	10.99																																																																																																							
2	Jane	Smith	janesmith@example.com	2023-05-02 00:00:00	2	Item 2	Description 2	image2.jpg	15.99																																																																																																							
4	Emily	Brown	emilybrown@example.com	2023-05-04 00:00:00	2	Item 2	Description 2	image2.jpg	15.99																																																																																																							
1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	3	Item 3	Description 3	image3.jpg	8.99																																																																																																							
3	Michael	Johnson	michaeljohnson@example.com	2023-05-03 00:00:00	3	Item 3	Description 3	image3.jpg	8.99																																																																																																							
1	John	Doe	johndoe@example.com	2023-05-01 00:00:00	4	Item 4	Description 4	image4.jpg	12.99																																																																																																							
4	Emily	Brown	emilybrown@example.com	2023-05-04 00:00:00	4	Item 4	Description 4	image4.jpg	12.99																																																																																																							
3	Michael	Johnson	michaeljohnson@example.com	2023-05-03 00:00:00	5	Item 5	Description 5	image5.jpg	19.99																																																																																																							
5	David	Wilson	davidwilson@example.com	2023-05-05 00:00:00	5	Item 5	Description 5	image5.jpg	19.99																																																																																																							

u.user_id = o.user_id JOIN items i ON o.item_id = i.item_id;		
---	--	--

Q5. A manager wants to show a catalog of the items in the system – but only the following attributes showing: item_id, item_name, item_price.

Code	Expected Output (Comment)	Actual Output (Screenshot)																																	
SELECT item_id, item_name, item_price FROM items;	10 items	 <table border="1"> <thead> <tr> <th>item_id</th><th>item_name</th><th>item_price</th></tr> </thead> <tbody> <tr><td>1</td><td>Item 1</td><td>10.99</td></tr> <tr><td>2</td><td>Item 2</td><td>15.99</td></tr> <tr><td>3</td><td>Item 3</td><td>8.99</td></tr> <tr><td>4</td><td>Item 4</td><td>12.99</td></tr> <tr><td>5</td><td>Item 5</td><td>19.99</td></tr> <tr><td>6</td><td>Item 6</td><td>7.99</td></tr> <tr><td>7</td><td>Item 7</td><td>14.99</td></tr> <tr><td>8</td><td>Item 8</td><td>9.99</td></tr> <tr><td>9</td><td>Item 9</td><td>11.99</td></tr> <tr><td>10</td><td>Item 10</td><td>16.99</td></tr> </tbody> </table>	item_id	item_name	item_price	1	Item 1	10.99	2	Item 2	15.99	3	Item 3	8.99	4	Item 4	12.99	5	Item 5	19.99	6	Item 6	7.99	7	Item 7	14.99	8	Item 8	9.99	9	Item 9	11.99	10	Item 10	16.99
item_id	item_name	item_price																																	
1	Item 1	10.99																																	
2	Item 2	15.99																																	
3	Item 3	8.99																																	
4	Item 4	12.99																																	
5	Item 5	19.99																																	
6	Item 6	7.99																																	
7	Item 7	14.99																																	
8	Item 8	9.99																																	
9	Item 9	11.99																																	
10	Item 10	16.99																																	