

## TASK#3

1. Write a query to retrieve all orders placed by customers, including customer details (name, phone), order details (order ID, timestamp), and item details (product, amount).

```
SELECT customers.name, customers.phone, orders.order_id, orders.order_timestamp, items.product_id, items.amount
FROM orders
JOIN customers ON orders.customer_id = customers.customer
JOIN items ON orders.order_id = items.order_id
```

Output Messages Notifications

name	phone	order_id	order_timestamp	product_id	amount
character varying	text	text	time without time zone	text	numeric
Kimberly Rogers	+1-460-516-4009x4053	ef78adf6-ea9e-42f2-9f02-86782915e7c2	17:57:53.634748	4e594d9f-d40a-48a5-8abb-0732f14ebe...	72.58
Richard Wilcox	(724)299-4304x101	d48434e8-3f2e-456d-8ccd-86477a3e88eb	05:32:40.292983	63196dc5-8ed6-4c45-a41d-edd7bbac79...	21.8
Loretta Hawkins	+1-493-923-3484x3483	6181e475-ac1f-4a12-acd1-67f5f3bca720	18:33:28.498313	74fb7255-c081-4c15-95e5-9b37ae89a8...	63.16
Mr. Bryce Ortiz	706.967.6060x404	5c93f294-c443-440e-9c4a-4cf3d95ef459	13:24:36.588333	99ff9991-7613-4fbf-a0a7-9423aa64edde	75.24
Rebecca Miles	001-791-569-9566x5950	2b69e4ad-7629-420c-82e3-b10521d2e169	00:11:21.409286	19d17104-4db0-48f5-a2eb-aad2879421...	55.52
Kayla Lee	501-803-2939	545eece9-d0c2-45f7-9a34-d862d9957791	23:01:39.004452	44a8bf00-54c9-4239-8a7e-d406f4007c...	40.75
Kelly Austin	803.817.5409	bf04f9fb-7bb5-4d68-8730-579f7a2f8799	05:58:08.131231	f222f904-0262-4036-b3dd-48297bdd8c...	50.53
Jennifer Stevens	307-800-7458x1537	c75508bd-3fa0-44f1-9db2-6ac2ad52bc1b	21:37:48.714873	6c652e39-ac53-4ea6-9dda-94d0b9f545...	11.55
Jared Evans	+1-636-519-6529	8f423864-a56c-46d0-8d91-7f8cd9f7c144	03:23:11.383554	a7410066-9ba9-44b4-8ee7-7b9e17858...	9.96

2. Write a query to fetch all products along with their suppliers' details (name, phone) and the corresponding category name.

```
SELECT products.product_id, products.name AS product_name, suppliers.name AS supplier_name, suppliers.phone, products.category
FROM products
JOIN suppliers ON products.supplier_id = suppliers.supplier_id
```

Output Messages Notifications

product_id	product_name	supplier_name	phone	category
text	character varying	text	text	character varying
3c6f567b-9595-44a1-a421-3fab8db7e3a3	talk	Turner, Newman and Rodriguez	001-650-863-5785x75794	different
426c868a-883c-4d88-b58c-f4d5f176662f	letter	Hall, Garcia and Wiggins	888-551-8790x931	write
51883d44-1778-465b-b734-b3e109a9ce...	decade	Acosta-Freeman	+1-949-497-5202	decision
2c563c3a-10b0-4b40-85b0-d0b207e328...	major	Reed, Gonzalez and Moore	+1-999-431-0825	believe
e8bd5aec-920c-4944-8d84-0d25ac4659...	various	Alvarado-Cannon	6822144562	speech
f7553e7d-d320-451c-a48d-07539c446b9f	security	Hill PLC	(534)558-4604x4870	trouble
a4f06e08-7981-45e4-b3f8-d5804fcc24ac	cost	Smith, Burton and Smith	389-455-1435	rest
a4b17b83-b986-40d8-b761-f313f4ebd25d	we	Walker, Graham and Hernandez	001-978-752-3677	defense
85052d3c-cdea-4db2-b815-ae1aa7e9cc57	themselves	Delacruz, Cummings and Silva	470.752.0877x6294	statement
be5de2bd-1e9b-4d63-8806-bfbcca6619d8	husband	Torres-Calderon	495-368-0111x874	develop
af02ea87-b99d-4485-9224-9c3f09c05649	relationship	Drake Group	994-564-8546x29857	market
c16a18d9-8a92-431a-8df2-c69b56c81828	field	Freeman and Sons	3797776077	understand

3. Write a query to retrieve details of all orders including the product name and amount ordered for each item.

```

SELECT orders.order_id, orders.customer_id, orders.status, orders.order_timestamp, orders.total_amount, products.name AS product_name,
       items.amount
FROM orders
JOIN items ON orders.order_id = items.order_id
JOIN products ON items.product_id = products.product_id

```

Output Messages Notifications

order_id text	customer_id text	status character varying	order_timestamp time without time zone	total_amount numeric	product_name character varying	amount numeric
ef78adf6-ea9e-42f2-9f02-86782915e7c2	3e5b903b-ee75-4aa8-9583-73cd513212...	Cancelled	17:57:53.634748	618.21	apply	72.58
d48434e8-3f2e-456d-8ccd-86477a3e88eb	20c2b281-3316-4e07-aa26-d7dd662291...	Cancelled	05:32:40.292983	173.47	level	21.8
6181e475-ac1f-4a12-acd1-67f5f3bca720	fca2af87-c14c-494f-9552-c9a6ae2f8cb3	Pending	18:33:28.498313	382.18	station	63.16
5c93f294-c443-440e-9c4a-4cf3d95ef459	844f28dd-e0e2-49ec-a692-4edfeeddf88	Cancelled	13:24:36.588333	766.65	rich	75.24
2b69e4ad-7629-420c-82e3-b10521d2e169	93ef591e-af4f-44b5-bf90-7c3067964f91	Cancelled	00:11:21.409286	49.21	head	55.52
545eece9-d0c2-45f7-9a34-d862d9957791	ddfe19af-ef5d-4b13-8c04-460e140782f7	Pending	23:01:39.004452	774.64	on	40.75
bf04f9fb-7bb5-4d68-8730-579f7a2f8799	ac424897-e492-457e-8e52-cb5d4df498...	Pending	05:58:08.131231	706.77	into	50.53
c75508bd-3fa0-44f1-9db2-6ac2ad52bc1b	3fccee03-4caf-4342-a9f6-d6cb84369c34	Pending	21:37:48.714873	815.54	bit	11.55
8f423864-a56c-46d0-8d91-7f8cd9f7c144	1d9aaa82-02d0-452f-9674-1fa5451f66e7	Completed	03:23:11.383554	711.18	his	9.96
ddf3dade-01b3-4bbc-a67f-adeaac21231b	9d486d8c-b502-42ad-be3c-fa3ff85c4567	Completed	08:48:41.429451	405.86	agreement	67.76
eb4e990e-f58b-404a-9f79-78e622bd4200	cf3df3f2-30ed-4361-9f94-d1141ee3d913	Cancelled	16:47:23.159788	806.99	price	28.58
3a411da7-03e2-46f8-aaf4-924b044d952b	9e410c8d-dd2a-485b-a613-7e3ed81694...	Pending	05:21:24.166373	606.46	a	72.02

4. Write a query to retrieve all suppliers along with the city and country where they are located, and the products they supply.

```

SELECT *
FROM products

SELECT suppliers.name AS supplier_name, cities.name AS city_name,
       cities.country AS country_name, products.name AS product_name
FROM cities
JOIN suppliers ON cities.name = suppliers.location
JOIN products ON products.supplier_id = suppliers.supplier_id

```

Output Messages Notifications

name text	name character varying	location character varying	country character varying	name character varying
Hall, Garcia and Wiggins	Lake Michael	Lake Michael	Slovenia	letter
Drake Group	East James	East James	Bangladesh	relationship
Shaffer, Rodriguez and Sandoval	Lake Jessica	Lake Jessica	Falkland Islands (Malvinas)	small
Tyler-Burgess	Robertview	Robertview	Malawi	same
Short, Johnson and Smith	Jonesmouth	Jonesmouth	Italy	by
Clark-Garcia	Christopherfort	Christopherfort	Mauritius	letter
Clark-Robertson	Brianbury	Brianbury	South Georgia and the South Sandwich Islands	protect
Wright, Sloan and Fisher	Jessicabury	Jessicabury	Niger	market
Jackson, Krueger and Dorsey	Aliciaport	Aliciaport	Palestinian Territory	high
Reyes-Heath	North Michael	North Michael	Lesotho	little
Shaffer, Rodriguez and Sandoval	Lake Jessica	Lake Jessica	Falkland Islands (Malvinas)	life
Clark-Robertson	Brianbury	Brianbury	South Georgia and the South Sandwich Islands	when

5. Write a query to fetch all products, sort them first by category and then by price in descending order.

Query    Query History

Scratch Pad    x

1   SELECT \*  
2   FROM products  
3   ORDER BY category DESC, price DESC  
4  
5

Data Output    Messages    Notifications

SQL

	product_id text	name character varying	supplier_id text	category character varying	price numeric	stock_available numeric	status character varying	product_create timestamp with time zone
1	42197397-e0b8-4c4d-a3de-8b6b271781e9	elbat	df651812-0325-4c46-97c1-5a3f12c3d7194	yourself	393.01	252	InActive	2024-05-08 15
2	42be18ee-8c51-45e0-958a-2509996473a5	color	a108f764-84c0-4149-a4d2-9a1ca3720d97	yourself	306.76	375	Out of Stock	2024-02-03 06
3	9e30a085-f969-407b-8f23-13a8924e0f63	yes	08a20d63-f6fa-4aa1-90c9-e384fa1e951f	your	143.65	391	InActive	2024-01-17 21
4	69712a2e-6020-4d0d-a1a2-c4a513c4a2d27	his	0637075f-03d0-4109-811d-1e5557a1f5	your	63.21	563	Out of Stock	2024-05-12 00
5	67b77960-b4e5-4f36-aeaa-fc1eaab80b761	number	46337336-1d79-484f-ba08-7e99337774..	yes	66.04	357	Out of Stock	2024-01-16 10
6	5a71c23a6-8c99-4d37-8325-623ba46b1195	follow	616d9a81-25d2-4a09-b33a-46993a0a...	yeah	404.35	616	Active	2024-04-12 17
7	9e596057-7947-483b-8356-73a213a32954	yet	7d510b9a-7c71-44c1-93d1-b6c4a2175a...	yeah	380.63	377	InActive	2024-02-06 10
8	02b63a09-62d4-431c-95d2-3b1c0b7f4471	story	60322899-9a99-4786-a143-491373305e...	yard	428.51	977	InActive	2024-04-16 23