

TASK#5

- 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

- 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

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

```

SELECT COALESCE(SUM(orders.total_amount), 0) AS total_amount_spent,
       customers.name,
       customers.phone
FROM customers
LEFT JOIN orders ON customers.customer = orders.customer_id
GROUP BY customers.customer, customers.name, customers.phone
ORDER BY customers.customer;

```

Output Messages Notifications

total_amount_spent numeric	name character varying	phone text
0	Joseph Robinson	(937)452-2438x37004
380.06	Timothy Hall	+1-585-798-5830x891
0	Sandra Scott	001-574-844-6809x741
691.4	Alyssa Howe	(344)681-2421
0	Erin Ward	+1-640-549-0044
2072.16	Heather Cox	353.683.5816x9857
2004.14	Lindsay Jacobs	395.874.3265x706
0	Sarah Aguilar	(638)344-6371x517
455.66	Paul Johnson	(619)226-8584x07891
867.46	John Nguyen	2946243364
0	Rick Dunlap	410-229-8067x48037
1545.69	Rebecca Cabrera	(257)234-2677

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 details of the most recent order (by timestamp) placed by each customer, including the product details for each item in the order.

```

SELECT orders.order_id, orders.customer_id, orders.status, orders.total_amount, items.product_id
FROM orders
JOIN customers ON orders.customer_id = customers.customer_id
JOIN items ON orders.order_id = items.order_id
WHERE
    orders.order_timestamp = (
        SELECT MAX(inner_orders.order_timestamp)
        FROM orders inner_orders
        WHERE inner_orders.customer_id = orders.customer_id)

```

Output
Messages
Notifications

order_id text	customer_id text	status character varying	total_amount numeric	product_id text
d48434e8-3f2e-456d-8ccd-86477a3e88eb	20c2b281-3316-4e07-aa26-d7dd662291...	Cancelled	173.47	63196dc5-8ed6-4c45-a41d-edd7bbac79...
2b69e4ad-7629-420c-82e3-b10521d2e169	93ef591e-af4f-44b5-bf90-7c3067964f91	Cancelled	49.21	19d17104-4db0-48f5-a2eb-aad2879421...
545eece9-d0c2-45f7-9a34-d862d9957791	ddfe19af-ef5d-4b13-8c04-460e140782f7	Pending	774.64	44a8bf00-54c9-4239-8a7e-d406f4007c...
c75508bd-3fa0-44f1-9db2-6ac2ad52bc1b	3fccee03-4caf-4342-a9f6-d6cb84369c34	Pending	815.54	6c652e39-ac53-4ea6-9dda-94d0b9f545...
8f423864-a56c-46d0-8d91-7f8cd9f7c144	1d9aaa82-02d0-452f-9674-1fa5451f66e7	Completed	711.18	a7410066-9ba9-44b4-8ee7-7b9e17858...
eb4e990e-f58b-404a-9f79-78e622bd4200	cf3df3f2-30ed-4361-9f94-d1141ee3d913	Cancelled	806.99	73f7cc1f-879c-4794-a310-9f3e5fbb3de2
255fcbc8-4a5e-45ce-9ba8-8614e93e3212	f347f2b2-e4f0-4d5e-a71c-cb05f9e5d290	Completed	404.25	9788beb8-4bcf-487a-81b3-e048c2ee62...
c68e2795-b8e4-4a55-a073-a5bfedab3984	84f8f17a-ca15-4a52-8be8-206d0b67ead0	Cancelled	358.09	383854fc-75ae-4b7d-8e7f-9dcc164f2775
279da8e9-68c3-4228-8bff-af414cbeab9f	1ce6d8fa-71d5-4d3c-8417-1800076bbf23	Completed	214.41	699374a8-b6c9-4fab-b8cb-31cf26b7aa...
4965fa94-8f0a-4b7c-9554-a1e09f6678ff	966021db-d26d-4600-bc9e-f6bec8d652...	Completed	112.55	e9a63045-e101-444c-a374-aa53fe5b3c...
2c93a11e-30da-41e7-b79d-7743748aecee	7734c37d-d8a0-45f9-9638-09d01cbc09f5	Completed	739.43	12156257-f0e6-4598-bcc6-0ef194255e...
559209c3-84f0-4b25-b734-915429bc712a	740425f5-6b33-411e-9676-f04d29d47bef	Pending	645.11	2b23a4b5-a26b-4934-9f2f-72ed986646...