

2. Product Sales per City

For each pair of city and product, return the names of the city and product, as well the total amount spent on the product to 2 decimal places. Order the result by the amount spent from high to low then by city name and product name in ascending order.

▶ Schema

▶ Sample Data Tables



Language MySQL

⚠ Autocomplete not supported ⓘ

```
1 /*  
2 Enter your query below.  
3 Please append a semicolon ";" at the end of the query  
4 */
```

Test Results

Run Query

Submit

Line: 4 Col: 3

▼ Schema

There are 5 tables: customer, city, invoice, invoice_item, product.

city		
Name	Type	Description
id	int	This is a primary key
city_name	varchar(128)	Name of the city
postal_code	varchar(16)	Postal code of the city
country_id	int	Unique id representing different countries

customer		
Name	Type	Description
id	int	This is a primary key
customer_name	varchar(255)	Customer name
city_id	int	Foreign key referencing city.id
customer_address	varchar(255)	Address
contact_person	varchar(255)	Can be NULL

Language MySQL

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```
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2 Enter your query below.  
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4 */
```

Test Results

Run Query Submit

		This is a primary key
city_name	varchar(128)	Name of the city
postal_code	varchar(16)	Postal code of the city
country_id	int	Unique id representing different countries

customer		
Name	Type	Description
id	int	This is a primary key
customer_name	varchar(255)	Customer name
city_id	int	Foreign key referencing city.id
customer_address	varchar(255)	Address
contact_person	varchar(255)	Can be NULL
email	varchar(128)	Email
phone	varchar(128)	Phone number
is_active	int	Boolean

invoice		
Name	Type	Description

Language MySQL

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```
1 /*  
2 Enter your query below.  
3 Please append a semicolon ";" at the end of the query  
4 */
```

Line: 4 Col: 3

Test Results

Run Query

Submit

contact_person	varchar(255)	Can be NULL
email	varchar(128)	Email
phone	varchar(128)	Phone number
is_active	int	Boolean

invoice		
Name	Type	Description
id	int	This is a primary key
invoice_number	varchar(255)	Invoice number
customer_id	int	Foreign key referencing customer.id
user_account_id	int	Account ID
total_price	decimal(8,2)	Total price

invoice_item		
Name	Type	Description
id	int	This is a primary key
invoice_id	int	Foreign key referencing invoice.id
product_id	int	Foreign key referencing product.id

Language MySQL

⚠ Autocomplete not supported ⓘ

```
1 /*  
2 Enter your query below.  
3 Please append a semicolon ";" at the end of the query  
4 */
```

Line: 4 Col: 3

Test Results

Run Query Submit

invoice_number	varchar(255)	Invoice number
customer_id	int	Foreign key referencing customer.id
user_account_id	int	Account ID
total_price	decimal(8,2)	Total price

invoice_item		
Name	Type	Description
id	int	This is a primary key
invoice_id	int	Foreign key referencing invoice.id
product_id	int	Foreign key referencing product.id
quantity	decimal(8,2)	Quantity
price	decimal(8,2)	Price
line_total_price	decimal(8,2)	Line total price

product		
Name	Type	Description
id	int	This is a primary key
sku	varchar(32)	SKU

Language MySQL

⚠ Autocomplete not supported ⓘ

```
1 /*  
2 Enter your query below.  
3 Please append a semicolon ";" at the end of the query  
4 */
```

Line: 4 Col: 3

Test Results

Run Query

Submit

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⌘

ALL

ⓘ

1

2

product_id	int	Foreign key referencing product.id
quantity	decimal(8,2)	Quantity
price	decimal(8,2)	Price
line_total_price	decimal(8,2)	Line total price

product		
Name	Type	Description
id	int	This is a primary key
sku	varchar(32)	SKU
product_name	varchar(128)	Name
product_description	varchar(255)	Description of the product
current_price	decimal(8,2)	Current price
quantity_in_stock	decimal(8,2)	Quantity
is_active	int	Boolean

▶ Sample Data Tables

Language MySQL

⚠ Autocomplete not supported ⓘ

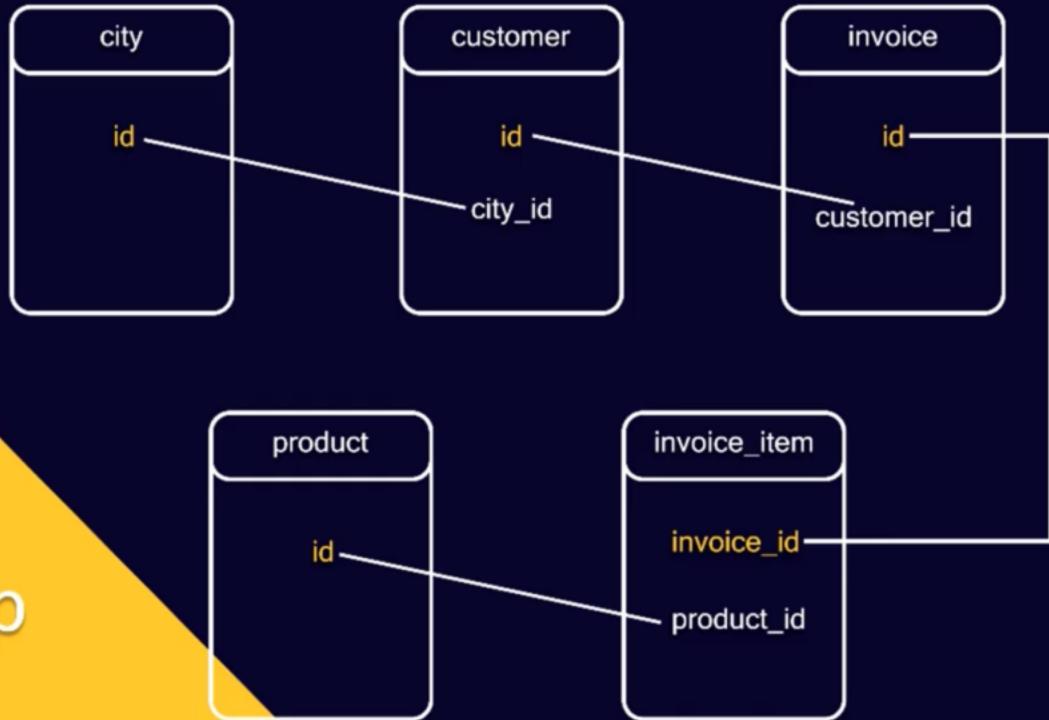
```
1 /*  
2 Enter your query below.  
3 Please append a semicolon ";" at the end of the query  
4 */
```

Line: 4 Col: 3

Test Results

Run Query Submit

Tables Relationship



2. Product Sales per City

For each pair of city and product, return the names of the city and product, as well the total amount spent on the product to 2 decimal places. Order the result by the amount spent from high to low then by city name and product name in ascending order.

▼ Schema

There are 5 tables: customer, city, invoice, invoice_item, product.

city		
Name	Type	
id	int	
city_name	varchar(128)	
postal_code	varchar(16)	
country_id	int	Unique

Language MySQL

Autocomplete not supported

```

2 Enter your query below.
3 Please append a semicolon ";" at the end of the query
4 */
5
6 select ci.city_name, pr.product_name, ROUND(sum(ii.line_total_price), 2) as tot
7 from city ci, customer cu, invoice i, invoice_item ii, product pr
8 where ci.id = cu.city_id and cu.id = i.customer_id and i.id = ii.invoice_id and
9 ii.product_id = pr.id
10 group by ci.city_name, pr.product_name
11 order by tot desc, ci.city_name, pr.product_name

```

Line: 10 Col: 20

Test Results

Run Query
Submit

Compiled successfully. **Correct answer.**

Test case 0

Your Output (stdout)

```

1 Wien Silk Pillowcase - SLIP 950.00
2 London Game Of Thrones - URBAN DECAY 1300.00
3 London Capture Youth - DIOR 1000.00
4 Berlin Advanced Night Repair - ESTÉE LAUDER 950.00
5 Berlin Capture Youth - DIOR 400.00
6 Hamburg Silk Pillowcase - SLIP 360.00

```