

1. Create the tables below in the database. Use foreign keys and primary keys as required.
  - a. Create a table called as student with the following columns student\_id, first\_name, last\_name, birthdate, department\_id, address\_id.

```
INSERT INTO student (student_id, first_name, last_name, birthdate, department_id, address_id) VALUES
(1, 'John', 'Doe', '1995-04-15', 1, 1),
(2, 'Jane', 'Smith', '1996-07-22', 2, 2),
(3, 'Alice', 'Johnson', '1994-11-30', 3, 3),
(4, 'Michael', 'Brown', '1997-02-19', 4, 4),
(5, 'Sophia', 'Davis', '1998-01-05', 5, 5),
(6, 'Daniel', 'Wilson', '1995-06-10', 6, 6),
(7, 'Olivia', 'Martinez', '1997-11-25', 1, 7),
(8, 'Ethan', 'Miller', '1996-03-30', 2, 8);
```

```
select * from student;
```

Result Grid						
Filter Rows:						
Edit: Export/Import:						
	student_id	first_name	last_name	birthdate	department_id	address_id
▶	1	John	Doe	1995-04-15	1	1
	2	Jane	Smith	1996-07-22	2	2
	3	Alice	Johnson	1994-11-30	3	3
	4	Michael	Brown	1997-02-19	4	4
	5	Sophia	Davis	1998-01-05	5	5
	6	Daniel	Wilson	1995-06-10	6	6
	7	Olivia	Martinez	1997-11-25	1	7
	8	Ethan	Miller	1996-03-30	2	8
*	NULL	NULL	NULL	NULL	NULL	NULL

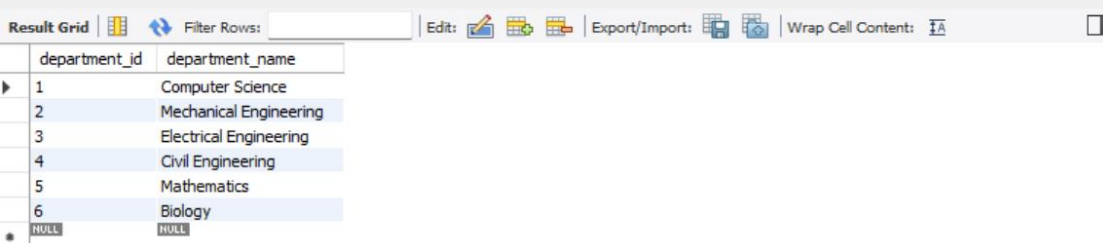
- b. Create Address table with following columns address\_id, street\_address, city, State, postal\_code

```
39 • INSERT INTO address (address_id, street_address, city, state, postal_code) VALUES
40 (1, '123 Elm St', 'Springfield', 'IL', '62701'),
41 (2, '456 Oak St', 'Decatur', 'IL', '62521'),
42 (3, '789 Pine St', 'Champaign', 'IL', '61820'),
43 (4, '102 Birch Rd', 'Peoria', 'IL', '61602'),
44 (5, '205 Cedar Ave', 'Chicago', 'IL', '60601'),
45 (6, '310 Maple Dr', 'Urbana', 'IL', '61801'),
46 (7, '415 Oak Blvd', 'Champaign', 'IL', '61821'),
47 (8, '520 Pine Rd', 'Carbondale', 'IL', '62901');
48 • select * from address;
```

Result Grid					
Filter Rows:					
Edit: Export/Import: Wrap C					
	address_id	street_address	city	state	postal_code
▶	1	123 Elm St	Springfield	IL	62701
	2	456 Oak St	Decatur	IL	62521
	3	789 Pine St	Champaign	IL	61820
	4	102 Birch Rd	Peoria	IL	61602
	5	205 Cedar Ave	Chicago	IL	60601
	6	310 Maple Dr	Urbana	IL	61801
	7	415 Oak Blvd	Champaign	IL	61821
	8	520 Pine Rd	Carbondale	IL	62901
*	NULL	NULL	NULL	NULL	NULL

- c. Create department table department\_id, department name. Make sure you are using the right data type against all the columns.

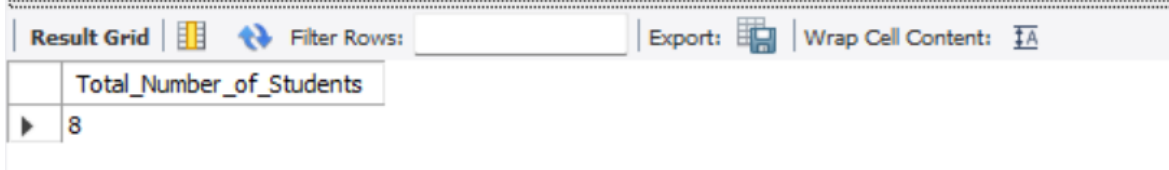
```
31 • INSERT INTO department (department_id, department_name) VALUES
32   (1, 'Computer Science'),
33   (2, 'Mechanical Engineering'),
34   (3, 'Electrical Engineering'),
35   (4, 'Civil Engineering'),
36   (5, 'Mathematics'),
37   (6, 'Biology');
38
39 • select * from department;
```



department_id	department_name
1	Computer Science
2	Mechanical Engineering
3	Electrical Engineering
4	Civil Engineering
5	Mathematics
6	Biology

2. Use Sample data from [sampledata.txt](#) to insert data into the database
3. Write a query to find the total number of students.

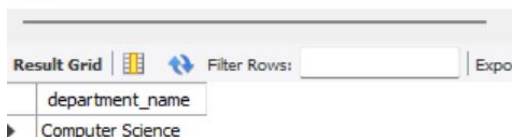
```
64 • select count(student_id) as Total_Number_of_Students from student;
```



Total_Number_of_Students
8

4. Write a query to find which department john belongs to.

```
66 • select d.department_name
67   from department d left join student s
68   on s.department_id=d.department_id
69   where first_name="John";
70
71
```



department_name
Computer Science

5. List All Departments with Their Number of Students (Including Departments with No Students)

```

71 • SELECT d.department_name, COUNT(s.student_id) AS student_count
72 FROM department d
73 LEFT JOIN student s ON d.department_id = s.department_id
74 GROUP BY d.department_name;
75
76
77

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
department_name	student_count		
Computer Science	2		
Mechanical Engineering	2		
Electrical Engineering	1		
Civil Engineering	1		
Mathematics	1		
Biology	1		

- Select all students with their department and address.

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	student_id	first_name	last_name	birthdate	department_id	address_id	department_name	city	street_address
▶	1	John	Doe	1995-04-15	1	1	Computer Science	Springfield	123 Elm St
	3	Alice	Johnson	1994-11-30	3	3	Electrical Engineering	Champaign	789 Pine St
	4	Michael	Brown	1997-02-19	4	4	Civil Engineering	Peoria	102 Birch Rd
	5	Sophia	Davis	1998-01-05	5	5	Mathematics	Chicago	205 Cedar Ave
	7	Olivia	Martinez	1997-11-25	1	7	Computer Science	Champaign	415 Oak Blvd

- Find all students who are in the 'Computer Science' department

```

83 • select s.*
84 from student s Right join department d on s.department_id=d.department_id
85 where d.department_name="Computer Science";
86
87
88

```

student_id	first_name	last_name	birthdate	department_id	address_id
1	John	Doe	1995-04-15	1	1
7	Olivia	Martinez	1997-11-25	1	7

8. Update Jane's city name to New York.

```

87 • UPDATE address
88 SET city = 'New York'
89 WHERE address_id = (
90     SELECT address_id
91     FROM student
92     WHERE first_name = 'Jane' AND last_name = 'Smith'
93 );
94
95 • select city from address;
96
97

```

city
Springfield
New York
Champaign
Peoria
Chicago
Urbana
Champaign
Carbondale

9. Delete a student from the student table.

```
97  --
98  • DELETE FROM student
99      WHERE student_id = 1;
100  • select * from student;
101
```

student_id	first_name	last_name	birthdate	department_id	address_id
2	Jane	Smith	1996-07-22	2	2
3	Alice	Johnson	1994-11-30	3	3
4	Michael	Brown	1997-02-19	4	4
5	Sophia	Davis	1998-01-05	5	5
6	Daniel	Wilson	1995-06-10	6	6
7	Olivia	Martinez	1997-11-25	1	7
8	Ethan	Miller	1996-03-30	2	8
NULL	NULL	NULL	NULL	NULL	NULL

10. Select all students with their department and address in New York.

```
03  • SELECT s.*, d.department_name, a.*
04  FROM student s
05  JOIN department d ON s.department_id = d.department_id
06  JOIN address a ON s.address_id = a.address_id
07  WHERE a.city = 'New York';
08
```

student_id	first_name	last_name	birthdate	department_id	address_id	department_name	address_id	street_address	city
2	Jane	Smith	1996-07-22	2	2	Mechanical Engineering	2	456 Oak St	New

11. Count how many students are in each department

```

109  --
110  ●  SELECT d.department_name, COUNT(s.student_id) AS student_count
111      FROM department d
112      LEFT JOIN student s ON d.department_id = s.department_id
113      GROUP BY d.department_name;

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
department_name	student_count		
Computer Science	1		
Mechanical Engineering	2		
Electrical Engineering	1		
Civil Engineering	1		
Mathematics	1		
Biology	1		

12. Find students who live in 'Springfield'

```

118  --
119  ●  SELECT s.*
120      FROM student s
121      JOIN address a ON s.address_id = a.address_id
122      WHERE a.city = 'Springfield';
123
124

```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	student_id	first_name	last_name	birthdate	department_id	address_id
▶	1	John	Doe	1995-04-15	1	1

13. Select students whose birthday falls in February

```

125 • SELECT *
126 FROM student
127 WHERE MONTH(birthdate) = 2;
128
129
130

```

student_id	first_name	last_name	birthdate	department_id	address_id
4	Michael	Brown	1997-02-19	4	4
NULL	NULL	NULL	NULL	NULL	NULL

14. Get the department and address details for a specific student, example john

```

129 • SELECT s.*, d.department_name, a.*
130 FROM student s
131 JOIN department d ON s.department_id = d.department_id
132 JOIN address a ON s.address_id = a.address_id
133 WHERE s.first_name = 'John';
134

```

student_id	first_name	last_name	birthdate	department_id	address_id	department_name	address_id	street_address	city
1	John	Doe	1995-04-15	1	1	Computer Science	1	123 Elm St	Springfield

15. Find all students who are born within 1995 to 1998

```

136 • SELECT *
137 FROM student
138 WHERE YEAR(birthdate) BETWEEN 1995 AND 1998;
139
140

```

student_id	first_name	last_name	birthdate	department_id	address_id
1	John	Doe	1995-04-15	1	1
2	Jane	Smith	1996-07-22	2	2
4	Michael	Brown	1997-02-19	4	4
5	Sophia	Davis	1998-01-05	5	5
6	Daniel	Wilson	1995-06-10	6	6
7	Olivia	Martinez	1997-11-25	1	7
8	Ethan	Miller	1996-03-30	2	8
NULL	NULL	NULL	NULL	NULL	NULL

16. List all students and their corresponding department names, sorted by department

```

140  --
141  ● SELECT s.*, d.department_name
142     FROM student s
143     JOIN department d ON s.department_id = d.department_id
144     ORDER BY d.department_name;
145
146
147
148

```

student_id	first_name	last_name	birthdate	department_id	address_id	department_name
6	Daniel	Wilson	1995-06-10	6	6	Biology
4	Michael	Brown	1997-02-19	4	4	Civil Engineering
1	John	Doe	1995-04-15	1	1	Computer Science
7	Olivia	Martinez	1997-11-25	1	7	Computer Science
3	Alice	Johnson	1994-11-30	3	3	Electrical Engineering
5	Sophia	Davis	1998-01-05	5	5	Mathematics
2	Jane	Smith	1996-07-22	2	2	Mechanical Engineering
8	Ethan	Miller	1996-03-30	2	8	Mechanical Engineering

17. Find the number of students in each department who are living in 'Champaign'

```

146  --
147  ● SELECT d.department_name, COUNT(s.student_id) AS student_count
148     FROM student s
149     JOIN department d ON s.department_id = d.department_id
150     JOIN address a ON s.address_id = a.address_id
151     WHERE a.city = 'Champaign'
152     GROUP BY d.department_name;

```

department_name	student_count
Electrical Engineering	1
Computer Science	1

18. Retrieve the names of students who live on 'Pine' street

```

154  ● SELECT s.first_name, s.last_name
155     FROM student s
156     JOIN address a ON s.address_id = a.address_id
157     WHERE a.street_address LIKE '%Pine%';
158
159
160

```

first_name	last_name
Alice	Johnson
Ethan	Miller



19. Update the department of a student with student\_id = 6 to 'Mechanical Engineering'

```
159 • UPDATE student
160   SET department_id = (
161     SELECT department_id FROM department WHERE department_name = 'Mechanical Engineering'
162   )
163   WHERE student_id = 6;
164 • select * from student;
165
```

student_id	first_name	last_name	birthdate	department_id	address_id
1	John	Doe	1995-04-15	1	1
2	Jane	Smith	1996-07-22	2	2
3	Alice	Johnson	1994-11-30	3	3
4	Michael	Brown	1997-02-19	4	4
5	Sophia	Davis	1998-01-05	5	5
6	Daniel	Wilson	1995-06-10	2	6
7	Olivia	Martinez	1997-11-25	1	7
8	Ethan	Miller	1996-03-30	2	8
NULL	NULL	NULL	NULL	NULL	NULL

20. Find the student(s) who live in the city 'Chicago' and are in the 'Mathematics' department

```
165
166 • SELECT s.*
167 FROM student s
168 JOIN department d ON s.department_id = d.department_id
169 JOIN address a ON s.address_id = a.address_id
170 WHERE a.city = 'Chicago' AND d.department_name = 'Mathematics';
171
172
```

student_id	first_name	last_name	birthdate	department_id	address_id
5	Sophia	Davis	1998-01-05	5	5

21. List all students who have an address in 'Urbana' or 'Peoria'

```

173 • SELECT s.*
174 FROM student s
175 JOIN address a ON s.address_id = a.address_id
176 WHERE a.city IN ('Urbana', 'Peoria');
177

```

student_id	first_name	last_name	birthdate	department_id	address_id
4	Michael	Brown	1997-02-19	4	4
6	Daniel	Wilson	1995-06-10	2	6

22. Find the student with the highest student\_id

```

179 • SELECT *
180 FROM student
181 ORDER BY student_id DESC
182 LIMIT 1;
183
184

```

student_id	first_name	last_name	birthdate	department_id	address_id
8	Ethan	Miller	1996-03-30	2	8
NULL	NULL	NULL	NULL	NULL	NULL

23. Find all students who are not in the 'Computer Science' department

```

185 • SELECT s.*
186 FROM student s
187 JOIN department d ON s.department_id = d.department_id
188 WHERE d.department_name != 'Computer Science';
189
190

```

student_id	first_name	last_name	birthdate	department_id	address_id
2	Jane	Smith	1996-07-22	2	2
6	Daniel	Wilson	1995-06-10	2	6
8	Ethan	Miller	1996-03-30	2	8
3	Alice	Johnson	1994-11-30	3	3
4	Michael	Brown	1997-02-19	4	4
5	Sophia	Davis	1998-01-05	5	5

24. Count the total number of addresses in the 'Champaign' city

```

190  --
191  • SELECT COUNT(*) AS total_addresses
192      FROM address
193      WHERE city = 'Champaign';
194
195

```

Result Grid | Filter Rows:  Export:

	total_addresses
▶	2

25. Find the name of the student who lives at '520 Pine Rd'

```

195  • SELECT s.first_name, s.last_name
196      FROM student s
197      JOIN address a ON s.address_id = a.address_id
198      WHERE a.street_address = '520 Pine Rd';
199
200

```

Result Grid | Filter Rows:  Export:

	first_name	last_name
▶	Ethan	Miller

26. Get the average age of students in the 'Electrical Engineering' department

```

}  --
1  • SELECT AVG(TIMESTAMPDIFF(YEAR, birthdate, CURDATE())) AS average_age
2      FROM student s
3      JOIN department d ON s.department_id = d.department_id
4      WHERE d.department_name = 'Electrical Engineering';
5
6

```

ult Grid | Filter Rows:  Export: Wrap Cell Content:

	average_age
	30.0000

27. List the students, their department, and the city where they live, but only for those in departments starting with 'M'

```

206 • SELECT s.first_name, s.last_name, d.department_name, a.city
207 FROM student s
208 JOIN department d ON s.department_id = d.department_id
209 JOIN address a ON s.address_id = a.address_id
210 WHERE d.department_name LIKE 'M%';
211
212

```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
first_name	last_name	department_name	city
Jane	Smith	Mechanical Engineering	New York
Daniel	Wilson	Mechanical Engineering	Urbana
Ethan	Miller	Mechanical Engineering	Carbondale
Sophia	Davis	Mathematics	Chicago

28. Delete a student from the 'Mechanical Engineering' department

```

212 • DELETE FROM student
213 WHERE department_id = (
214     SELECT department_id FROM department WHERE department_name = 'Mechanical Engineering'
215 );
216
217 • select * from student;
218
219

```

student_id	first_name	last_name	birthdate	department_id	address_id
1	John	Doe	1995-04-15	1	1
3	Alice	Johnson	1994-11-30	3	3
4	Michael	Brown	1997-02-19	4	4
5	Sophia	Davis	1998-01-05	5	5
7	Olivia	Martinez	1997-11-25	1	7
NULL	NULL	NULL	NULL	NULL	NULL

Download [order.sql](#)

Open PG Admin and open query tool and select any database of your choice.

Click on “Open file” and select [order.sql](#) from your device and execute it.

Questions:

1. Retrieve All Orders with Their Customer Details and Current Status

```

112      --
113      • SELECT
114          o.order_id,
115          c.customer_id,
116          c.first_name,
117          c.last_name,
118          c.email,
119          s.status_name,
120          o.order_date,
121          o.total_amount
122      FROM order_schema.orders o
123      JOIN order_schema.customer c ON o.customer_id = c.customer_id
124      JOIN order_schema.status s ON o.status_id = s.status_id;
125

```

Result Grid								
Filter Rows:								
Export:   Wrap Cell Content:								
	order_id	customer_id	first_name	last_name	email	status_name	order_date	total_amount
▶	1	1	John	Doe	john.doe@example.com	Shipped	2025-02-15	1499.98
	4	1	John	Doe	john.doe@example.com	Cancelled	2025-02-18	149.99
	2	2	Jane	Smith	jane.smith@example.com	Pending	2025-02-16	199.99
	3	3	Emily	Jones	emily.jones@example.com	Shipped	2025-02-17	499.99

## 2. Get the Total Value of Orders for a Given Customer in a Specific Time Period

```

126      --
127      • SELECT
128          c.customer_id,
129          c.first_name,
130          c.last_name,
131          SUM(o.total_amount) AS total_order_value
132      FROM order_schema.orders o
133      JOIN order_schema.customer c ON o.customer_id = c.customer_id
134      WHERE o.order_date BETWEEN '2025-02-15' AND '2025-02-18'
135           AND c.customer_id = 1 -- Replace with desired customer ID
136      GROUP BY c.customer_id, c.first_name, c.last_name;
137

```




Result Grid				
Filter Rows:				
Export:   Wrap Cell Content:				
	customer_id	first_name	last_name	total_order_value
▶	1	John	Doe	1649.97

## 3. Find the Most Expensive Order by Customer

```

227
228 • SELECT customer_id, order_id, total_amount
229     FROM order_schema.orders
230     WHERE (customer_id, total_amount) IN (
231         SELECT customer_id, MAX(total_amount)
232         FROM order_schema.orders
233         GROUP BY customer_id
234     );
235

```


Result Grid			
Filter Rows: <input type="text"/>			
Edit:   			
	customer_id	order_id	total_amount
▶	1	1	1499.98
	2	2	199.99
	3	3	499.99
*	NULL	NULL	NULL

#### 4. Find the Total Revenue for Each Product Based on Orders

```

156 • SELECT
157     p.product_id,
158     p.product_name,
159     SUM(oi.quantity * oi.price) AS total_revenue
160 FROM order_schema.order_items oi
161 JOIN order_schema.product p ON oi.product_id = p.product_id
162 GROUP BY p.product_id, p.product_name;
163
164
165
166

```

Result Grid			
Filter Rows: <input type="text"/>			
Export:  Wrap Cell Content: <input type="checkbox"/>			
	product_id	product_name	total_revenue
▶	1	Laptop	999.99
	2	Smartphone	999.98
	3	Headphones	449.97

- Write a query to retrieve the order ID, customer ID, and the total amount of each order. If the total amount is null, display '0.00' instead.

```

164  --
165  • SELECT
166      order_id,
167      customer_id,
168      COALESCE(total_amount, 0.00) AS total_amount
169  FROM order_schema.orders;
170
171

```

order_id	customer_id	total_amount
1	1	1499.98
2	2	199.99
3	3	499.99
4	1	149.99

## 6. Retrieve the Order History of a Specific Customer Along with Product Details

```

172  • SELECT
173      oh.order_id,
174      oh.status_change_date,
175      oh.status_description,
176      p.product_name,
177      oi.quantity,
178      oi.price
179  FROM order_schema.order_history oh
180  JOIN order_schema.orders o ON oh.order_id = o.order_id
181  JOIN order_schema.customer c ON o.customer_id = c.customer_id
182  JOIN order_schema.order_items oi ON o.order_id = oi.order_id
183  JOIN order_schema.product p ON oi.product_id = p.product_id
184  WHERE c.customer_id = 1

```

order_id	status_change_date	status_description	product_name	quantity	price
1	2025-02-15	Order Placed	Laptop	1	999.99
1	2025-02-15	Order Placed	Smartphone	1	499.99
1	2025-02-16	Payment Processed	Laptop	1	999.99
1	2025-02-16	Payment Processed	Smartphone	1	499.99
4	2025-02-18	Order Placed	Headphones	1	149.99

## 7. Get the Average Order Value Per Customer in the Last 30 Days.

```

295  • SELECT c.customer_id, c.first_name, c.last_name,
296      AVG(o.total_amount) AS avg_order_value
297  FROM order_schema.customer c
298  JOIN order_schema.orders o ON c.customer_id = o.customer_id
299  WHERE o.order_date >= CURDATE() - INTERVAL 30 DAY
300  GROUP BY c.customer_id, c.first_name, c.last_name;
301
302

```

customer_id	first_name	last_name	avg_order_value
-------------	------------	-----------	-----------------

## 8. Get the Top 5 Products with the Highest Number of Orders.

```

196 • SELECT
197     p.product_id,
198     p.product_name,
199     COUNT(DISTINCT oi.order_id) AS number_of_orders
200 FROM order_schema.order_items oi
201 JOIN order_schema.product p ON oi.product_id = p.product_id
202 GROUP BY p.product_id, p.product_name
203 ORDER BY number_of_orders DESC
204 LIMIT 5;
205
206

```

product_id	product_name	number_of_orders
2	Smartphone	2
3	Headphones	2
1	Laptop	1

## 9. Get the Customers Who Have Not Placed Any Orders in the Last 60 Days

```

301
302 • SELECT c.customer_id, c.first_name, c.last_name
303 FROM order_schema.customer c
304 LEFT JOIN order_schema.orders o
305     ON c.customer_id = o.customer_id
306     AND o.order_date >= CURDATE() - INTERVAL 60 DAY
307 WHERE o.order_id IS NULL;
308
309

```

customer_id	first_name	last_name
1	John	Doe
2	Jane	Smith
3	Emily	Jones

## 10. List the Orders with Products Ordered More Than Once, Sorted by Order Date

```

215 • SELECT
216
217 • SELECT
218     o.order_id,
219     o.order_date,
220     p.product_name,
221     oi.quantity
222 FROM order_schema.order_items oi
223 JOIN order_schema.orders o ON oi.order_id = o.order_id
224 JOIN order_schema.product p ON oi.product_id = p.product_id
225 WHERE oi.quantity > 1
226 ORDER BY o.order_date;

```

order_id	order_date	product_name	quantity
2	2025-02-16	Headphones	2



### 11. Retrieve the Number of Orders and Total Revenue for Each Status

```
260
261 • SELECT s.status_name, COUNT(o.order_id) AS order_count, SUM(o.total_amount) AS total_revenue
262 FROM order_schema.orders o
263 JOIN order_schema.status s ON o.status_id = s.status_id
264 GROUP BY s.status_name;
265
266
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
status_name	order_count	total_revenue	
Shipped	2	1999.97	
Pending	1	199.99	
Cancelled	1	149.99	

### 12. Find Customers Who Have Ordered More Than a Specific Product (e.g., "Laptop")

```
266 • SELECT DISTINCT c.customer_id, c.first_name, c.last_name
267 FROM order_schema.customer c
268 JOIN order_schema.orders o ON c.customer_id = o.customer_id
269 JOIN order_schema.order_items oi ON o.order_id = oi.order_id
270 JOIN order_schema.product p ON oi.product_id = p.product_id
271 WHERE p.product_name = 'Laptop';
272
273
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
customer_id	first_name	last_name	
1	John	Doe	

### 13. Find the Products That Have Never Been Ordered

```

274 • SELECT p.*
275 FROM order_schema.product p
276 LEFT JOIN order_schema.order_items oi ON p.product_id = oi.product_id
277 WHERE oi.product_id IS NULL;
278
279

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	product_id	product_name	price	stock_quantity
▶	4	Monitor	199.99	75

14. Get the Total Quantity of Products Ordered in the Last 7 Days

```

308
309 • SELECT p.product_name, SUM(oi.quantity) AS total_quantity
310 FROM order_schema.order_items oi
311 JOIN order_schema.orders o ON oi.order_id = o.order_id
312 JOIN order_schema.product p ON oi.product_id = p.product_id
313 WHERE o.order_date >= CURDATE() - INTERVAL 7 DAY
314 GROUP BY p.product_name;
315
316

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	product_name	total_quantity
--	--------------	----------------

15. Create a view named product\_details that includes all columns from the product table.

```

285
286 • CREATE VIEW order_schema.product_details AS
287 SELECT * FROM order_schema.product;
288

```

16. Create a view named order\_summary that includes the order\_id, customer\_id, order\_date, total\_amount, and status\_name (from the status table) for each order.

288

```
289 • CREATE VIEW order_schema.order_summary AS
290 SELECT o.order_id, o.customer_id, o.order_date, o.total_amount, s.status_name
291 FROM order_schema.orders o
292 JOIN order_schema.status s ON o.status_id = s.status_id;
293
```