

TASK 4 OUTPUT

```

156 select * from Products
159 select * from Inventory
160 --1.find out which customers have not placed any orders.
161 select c.Customer_id, c.Customer_FirstName from Customers c
162 where c.Customer_id not in(select o.Customer_id from Orders o)
163
164 --2.o find the total number of products available for sale.
165 select (select count(*) from Products) as Total_products
166
167 --3. calculate the total revenue generated by TechShop
168 select (select sum(Total_Amount) from Orders)as Total_Revenue
169
170 --4.calculate the average quantity ordered for products in a specific cate
171 --Allow users to input the category name as a parameter
172
173 select avg(Quantity) from OrderDetails
174 where Product_id in(select Product_id from Products where Product_Name='S

```

97 %

Results Messages

Customer_id	Customer_FirstName
8	Olivia
10	Isabella
20	Harper
21	Vikas

Total_products
21

Total_Revenue
16160

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SQLQuery-insert d..._RNIMA\poorn (66)
SQLQuery-executio..._RNIMA\poorn (73)*
190 select p.Product_Name, sum(od.Quantity) as Total_Quantity_Ordered
191 from OrderDetails od
192 join Products p on od.Product_id = p.Product_id
193 group by p.Product_Name
194 order by Total_Quantity_Ordered desc
195
196 --8.o find the customer who has spent the most money (highest total revenue)
197 --on electronic gadgets, list their name and total spending.
198 select top 1 c.Customer_FirstName, sum(o.Total_Amount) as Highest_revenue
199 from Customers c join Orders o on o.Customer_id=c.Customer_id
200 group by c.Customer_FirstName
201 order by Highest_revenue desc
202
203 --9.to calculate the average order value (total revenue divided by the number of
204 --orders) for all customers
205 select c.Customer_id, c.Customer_FirstName, sum(o.Total_Amount) as Total_revenue
206 from Customers c
207 join Orders o on o.Customer_id=c.Customer_id
208 group by c.Customer_id, c.Customer_FirstName
209
210 select * from Orders
211 --10 to find the total number of orders placed by each customer and list their

```

73 %

Results Messages

Product_Name	Total_Quantity_Ordered
Trifold	7
Smartwatch	6
SSD	6
Graphics Card	5
Keyboard	5
Printer	4
Router	3
VR Headset	3

Customer_FirstName	Highest_revenue
William	2000

Customer_id	Customer_FirstName	Total_revenue
1	John	1400
2	Alice	1050
3	Robert	1800
4	Emily	250
5	Michael	400
6	Sophia	850
7	Daniel	300

Query exe... POORNIMA\SQLSERVER2022 (16... POORNIMA\poorn (73) TechShop 00:00:00 35 rows

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170
171 --4.calculate the average quantity ordered for products in a specific category.
172 --Allow users to input the category name as a parameter
173
174 select avg(Quantity) from OrderDetails
175 where Product_id in(select Product_id from Products where Product_Name='SmartWatch')
176
177 --5.o calculate the total revenue generated by a specific customer. Allow users
178 --to input the customer ID as a parameter
179 select sum(Total_Amount) as Total_revenue from Orders
180 where Customer_id=(select Customer_id from Customers where Customer_id=4)
181
182 --6 find the customers who have placed the most orders. List their names
183 --and the number of orders they've placed.
184 select c.Customer_FirstName from Customers c
185 where c.Customer_id in(select Order_id from Orders where Orders.Customer_id=c.Customer_id)
186
187
188 --7. find the most popular product category, which is the one with the highest
189 --total quantity ordered across all orders.
190 select p.Product_Name, sum(od.Quantity) as Total_Quantity_Ordered

```

%

Results Messages

(No column name)

3

Total_revenue
250

Customer_FirstName
John
Alice
Robert
Emily
Michael
Sophia
Daniel
James
Ethan
Ava

```

213
214 select c.Customer_id, c.Customer_FirstName, count(o.order_id) as Tot_orders
215 from Customers c
216 join Orders o on o.Customer_id=c.Customer_id
217 group by c.Customer_id, c.Customer_FirstName
218
219

```

%

Results Messages

Customer_id	Customer_FirstName	Tot_orders	
1	John	1	
2	Alice	1	
3	Robert	1	
4	Emily	1	
5	Michael	1	
6	Sophia	1	
7	Daniel	1	
9	James	1	
11	Ethan	1	
0	Ava	1	
1	13	Noah	1
2	14	Mia	1
3	15	William	1
4	16	Charlotte	1
5	17	Benjamin	1
6	18	Emma	2
7	19	Lucas	2