How many customers in Georgia bought a PlayStation 4 - 500GB Black?

SELECT count(cart_detail.cart_ID) from
cart_detail, store
where store.state = 'GA' and cart_detail.store_ID = store.store_id
and cart_detail.prod_ID = '10002002';

result: 1

Which publisher sells the most video games?

select sum(video_total.total) as total, products.prod_publiser as name from products,
(SELECT sum(cart_detail.quantity) as total, cart_detail.prod_ID from
(select prod_ID, prod_name from products where prod_type = 'Video Games') as video_ids,
cart_detail
where video_ids.prod_ID = cart_detail.prod_ID
group by cart_detail.prod_ID) as video_total
where
video_total.prod_ID = products.prod_ID
group by products.prod_publiser
order by total desc
limit 1;

result: '24', 'Nintendo'

What is the most popular product sold at JustPlayin?

select products.prod_name from products, (select items.prod_ID as ID, items.total from
(SELECT prod_ID, sum(quantity) as total FROM Just_Playin.cart_detail
group by prod_ID) as items
group by items.prod_ID
order by total desc
limit 1) as topSeller
where products.prod_ID = topSeller.ID;

result: 'Sony DUALSHOCK 4 Wireless Controller - Red'

Which state has the highest sales of Sony products?

Select count(purchase_states.state) as purchases,purchase_states.state from (select
state_ids.state, prod_ids.sony_ids from
(select s.state, c.store_ID from store as s, cart_detail as c
where s.store_ID = c.store_ID) as state_ids,
(select c.store_ID , c.prod_ID as sony_ids from cart_detail as c, products as p
where p.prod_ID = c.prod_ID and p.prod_publiser = 'Sony') as prod_ids
where state_ids.store_ID = prod_ids.store_ID) as purchase_states
group by purchase_states.state
order by purchases desc
limit 1;

__result: '48', 'NY'__

How many Pre-owned items were sold in 2021?

select sum(total) from(select c.prod_ID, sum(c.quantity) as total from (SELECT prod_ID from
products
where prod_condition = 'Pre-Owned') as preowned, cart_detail as c
where preowned.prod_id = c.prod_id and purchase_date LIKE '2021%'
group by c.prod_ID) as totalSold;

__result: '126'__