

Group by

Sum Warehouse total in total quantity by sku

```
-- Quantity in warehouse
select inv.sku,
       inv.sku_description,
       SUM(inv.quantityonhand) as total_quantity_on_hand
from inventory inv
group BY inv.sku, inv.sku_description;
```

Output Table

SKU	SKU_DESCRIPTION	TOTAL_QUANTITY_ON_HAND
101100	Dive Mask, Small Clear	750
201000	Half-dome Tent	262
202000	Half-dome Tent Vestibule	111
100100	Std. Scuba Tank, Yellow	650
302000	Locking Carabiner, Oval	2750
101200	Dive Mask, Med Clear	875
100200	Std. Scuba Tank, Magenta	625
301000	Light Fly Climbing Harness	550

Total number of each sku on order by Buyer

```
-- quantity per buyer
select sd.buyer,
       SUM(inv.quantityonhand) as total_quantity_on_hand
from inventory inv
join sku_data sd ON inv.sku = sd.sku
group BY sd.buyer;
```

Output Table

BUYER	TOTAL_QUANTITY_ON_HAND
Nancy Meyers	1625
Jerry Martin	3300
Pete Hansen	1275
Cindy Lo	373

Total sales per department

```
-- join sku data with inventory on sku and sku desc and calculate totals by dept.
select sd.department,
       count(price.sku) as sku_count,
       sum(inv.quantityonorder * price.price) as Sales_Total_per_Department
from sku_data sd, order_item price, inventory inv
where sd.sku=price.sku and sd.sku=inv.sku
group by sd.department;
```

Output Table

DEPARTMENT	TOTAL_SALES
Camping	271000
Water Sports	306500