**Solution:**

SELECT C.state,

C.name,

SUM(extcost) TotalExtCost,

RANK() OVER (PARTITION BY C.state

ORDER BY SUM(extcost) DESC) AS RankTotalExtCost

FROM inventory\_fact I

INNER JOIN cust\_vendor\_dim C

ON I.custvendorkey = C.custvendorkey

WHERE I.transtypekey = 5

GROUP BY C.state, C.name

ORDER BY C.state;

