

List of product prices by product order by product and SCD effective ascending

```
select pp.Name,pp.ListPrice from Production.Product pp
where pp.FinishedGoodsFlag=1
group by pp.name,pp.ListPrice
order by pp.ListPrice asc;
```

List of standard costs by product order by product and SCD effective ascending

```
select pp.Name,pp.StandardCost from Production.Product pp
where pp.FinishedGoodsFlag=1
group by pp.name,pp.StandardCost
order by pp.StandardCost asc;
```

List of purchasing vendor contacts with vendor name, phone, email & address

```
SELECT V.Name AS 'Vendor Name',A.AddressLine1, A.City, A.PostalCode, S.Name AS State,
E.EmailAddress,
PP.PhoneNumber
FROM Purchasing.Vendor V
JOIN Person.BusinessEntity BE ON V.BusinessEntityID=BE.BusinessEntityID
JOIN Person.BusinessEntityAddress BA ON BE.BusinessEntityID=BA.BusinessEntityID
JOIN Person.Address A ON BA.AddressID=A.AddressID
JOIN Person.StateProvince S ON A.StateProvinceID=S.StateProvinceID
JOIN Person.BusinessEntityContact BC ON BE.BusinessEntityID=BC.BusinessEntityID
JOIN Person.Person P ON BC.PersonID=P.BusinessEntityID
JOIN Person.EmailAddress E ON P.BusinessEntityID=E.BusinessEntityID
JOIN Person.PersonPhone PP ON P.BusinessEntityID=PP.BusinessEntityID;
```

Ranked order of products purchased by amount \$

top20 product

```
select top 20 pr.Name,sum(po.TotalDue) as 'Purchasing'
from Purchasing.Vendor pv
join Purchasing.ProductVendor pp
on pv.BusinessEntityID=pp.BusinessEntityID
join Purchasing.PurchaseOrderDetail pd
on pp.ProductID=pd.ProductID
join Purchasing.PurchaseOrderHeader po
on pd.PurchaseOrderID=po.PurchaseOrderID
join Production.Product pr
on pd.ProductID=pr.ProductID
join Production.ProductSubcategory ps
on pr.ProductSubcategoryID=ps.ProductSubcategoryID
join Production.ProductCategory pc
on ps.ProductCategoryID=pc.ProductCategoryID
join Production.ProductModel pm
on pr.ProductModelID=pm.ProductModelID
group by pr.Name
order by Purchasing desc;
```

product model

```

select top 20 pm.Name,sum(po.TotalDue) as 'Purchasing'
from Purchasing.Vendor pv
join Purchasing.ProductVendor pp
on pv.BusinessEntityID=pp.BusinessEntityID
join Purchasing.PurchaseOrderDetail pd
on pp.ProductID=pd.ProductID
join Purchasing.PurchaseOrderHeader po
on pd.PurchaseOrderID=po.PurchaseOrderID
join Production.Product pr
on pd.ProductID=pr.ProductID
join Production.ProductSubcategory ps
on pr.ProductSubcategoryID=ps.ProductSubcategoryID
join Production.ProductCategory pc
on ps.ProductCategoryID=pc.ProductCategoryID
join Production.ProductModel pm
on pr.ProductModelID=pm.ProductModelID
group by pm.Name
order by Purchasing desc;

```

product category

```

select pc.Name,sum(po.TotalDue) as 'Purchasing'
from Purchasing.Vendor pv
join Purchasing.ProductVendor pp
on pv.BusinessEntityID=pp.BusinessEntityID
join Purchasing.PurchaseOrderDetail pd
on pp.ProductID=pd.ProductID
join Purchasing.PurchaseOrderHeader po
on pd.PurchaseOrderID=po.PurchaseOrderID
join Production.Product pr
on pd.ProductID=pr.ProductID
join Production.ProductSubcategory ps
on pr.ProductSubcategoryID=ps.ProductSubcategoryID
join Production.ProductCategory pc
on ps.ProductCategoryID=pc.ProductCategoryID
join Production.ProductModel pm
on pr.ProductModelID=pm.ProductModelID
group by pc.Name
order by Purchasing desc;

```

product sub category

```

select  ps.Name,sum(po.TotalDue) as 'Purchasing'
from Purchasing.Vendor pv
join Purchasing.ProductVendor pp
on pv.BusinessEntityID=pp.BusinessEntityID
join Purchasing.PurchaseOrderDetail pd
on pp.ProductID=pd.ProductID
join Purchasing.PurchaseOrderHeader po
on pd.PurchaseOrderID=po.PurchaseOrderID
join Production.Product pr
on pd.ProductID=pr.ProductID
join Production.ProductSubcategory ps
on pr.ProductSubcategoryID=ps.ProductSubcategoryID
join Production.ProductCategory pc
on ps.ProductCategoryID=pc.ProductCategoryID
join Production.ProductModel pm
on pr.ProductModelID=pm.ProductModelID
group by ps.Name
order by Purchasing desc;

```

Ranked order of Vendors by purchase amount \$

```

select  pv.Name,sum(po.TotalDue) as 'Purchasing',rank() over(order by po.TotalDue desc )
as 'Rank'
from Purchasing.Vendor pv
join Purchasing.ProductVendor pp
on pv.BusinessEntityID=pp.BusinessEntityID
join Purchasing.PurchaseOrderDetail pd
on pp.ProductID=pd.ProductID
join Purchasing.PurchaseOrderHeader po
on pd.PurchaseOrderID=po.PurchaseOrderID
join Production.Product pr
on pd.ProductID=pr.ProductID
join Production.ProductSubcategory ps
on pr.ProductSubcategoryID=ps.ProductSubcategoryID
join Production.ProductCategory pc
on ps.ProductCategoryID=pc.ProductCategoryID
join Production.ProductModel pm
on pr.ProductModelID=pm.ProductModelID
group by pv.Name,po.TotalDue
order by po.TotalDue desc;

```

List of employees who purchased products with pay rate & raises (SCD)

```

select (pps.FirstName +space(1)+pps.MiddleName+space(1)+pps.LastName)as 'employeenam',
eph.Rate as 'rate',(eph.PayFrequency)
from Purchasing.PurchaseOrderHeader ph
join Purchasing.PurchaseOrderDetail po
on ph.PurchaseOrderID=po.PurchaseOrderID
join HumanResources.Employee he

```

```
on ph.EmployeeID=he.BusinessEntityID
join Person.Person pps
on pps.BusinessEntityID=he.BusinessEntityID
join HumanResources.EmployeePayHistory eph
on eph.BusinessEntityID=he.BusinessEntityID
join HumanResources.EmployeePayHistory efg
on eph.BusinessEntityID=efg.BusinessEntityID
join HumanResources.EmployeePayHistory esg
on efg.BusinessEntityID=esg.BusinessEntityID
where efg.Rate<eph.Rate and efg.Rate>esg.rate
group by pps.FirstName,pps.LastName,pps.MiddleName,eph.PayFrequency,eph.rate;
```

List of employees who purchased products with phone, email & address