**INFO 7290- Data Warehousing and Business Intelligence Name: Kaushal Chaudhary**

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**CHINOOK ASSIGNMENT**

**SQL QUERIES**

1. **Total sales**

Select sum(Total) as 'Total Sales' from dbo.invoice;

1. **Total sales by country – ranked**

Select distinct(Country) , sum(Total) as 'Total Sales' From dbo.Customer as c  
inner join dbo.invoice as i on i.customerid = c.customerid  
group by country  
order by sum(total) desc;

1. **Total sales by country, state & city**

Select distinct(Country),State,City, sum(Total) as 'Total Sales' From dbo.Customer as c  
inner join dbo.invoice as i on i.customerid = c.customerid  
group by country,state,city  
order by sum(total) desc;

1. **Total sales by customer – ranked**

Select concat(Firstname,' ', LastName) as 'Customer Name' ,sum(Total) as 'Total Sales' From dbo.Customer as c  
inner join dbo.invoice as i on i.customerid = c.customerid  
group by LastName,FirstName  
order by sum(total) desc;

1. **Total sales by artist – ranked**

Select ar.Name as 'Artist Name',sum(il.unitprice) as 'Total Sales' from dbo.Artist as ar   
inner join dbo.album as ab on ab.artistid =ar.artistid  
inner join dbo.track as tr on tr.albumid = ab.albumid  
inner join dbo.invoiceline il on il.trackid = tr.trackid  
group by ar.name  
order by sum(il.unitprice) desc;

1. **Total sales by albums**

|  |  |
| --- | --- |
| Select distinct(ab.title) as 'Album Name',sum(il.unitprice) as'Total Sales' from dbo.album as ab  inner join dbo.track as tr on tr.albumid = ab.albumid inner join dbo.invoiceline il on il.trackid = tr.trackid group by ab.title order by sum(il.unitprice) desc; |  |

1. **Total sales by sales person (employee)**

Select concat(e.Firstname,' ', e.LastName) as 'Employee Name' ,sum(Total) as 'Total Sales' From dbo.Employee as e  
inner join dbo.Customer as c on e.employeeid=c.supportrepid  
inner join dbo.invoice as i on i.customerid = c.customerid  
group by e.LastName,e.FirstName  
order by sum(total) desc;

1. **Total tracks bought and total revenue by media type**

select count(t.name) as 'Total Tracks', sum(il.unitprice\*quantity) as 'Total Revenue' from dbo.mediatype as md

inner join dbo.track as t on t.mediatypeid= md.mediatypeid

inner join dbo.invoiceline as il on il.trackid= t.trackid;