9		
8	Namo & Zain Al Abiden 211-6260	
8-	01- Proposes and Wentitios of Pact table.	
8	1) Sales 3) Cubones 5) Persons 7) Obagod	4
8	1) Sales 3) Austomers 5) Revenue 7) Channal 2) Cost 4) Product 6) Location 8) Segment Profit	E
8	Identities of fact table	
8 8	Base Fact Tolde:  i) Product key iii) Sales key v) Market Segment ii) Time key iv) Quaterly Sales	key.
9 9	Quarter Aggregate Table:  1) Product Key 1111) Location Key V) Market segment b 11) Quarter Key iv) Qualerly Sales	ley -
9 9	Yearly Aggregate Table :  1) Product key (11) Location key v) Market Sogment  11) Year key (1) Yearly Sales	key.
8 9	Customer Fact Table :  i) CID Time (V) Market segmen vi) Product Key (V) Time vi) Sales Key.	t Key.
0000	Sales Fact Table:  1) Sales Key 10) CID  1) Product Key 10) Location Key  10) Distribution Key	DIVIMPIC

Date:				
Segment Profit Aggregate Table  i) Sales key iii) Customer key v) Time.  ii) Distribution key iv) Location key				
ii) Distribution key iv) Location key				
Seavonal Change Aggregate Table  Seavon Key v) Year				
Season key iii) Location key v) Year ii) Seasond sales iv) Market segment key				
22 Dear Est ( Cont Month Cife Hatal (Cale )				
i) Base Fact ( Product, Month, City, Hotel/Cafe).  ii) Customer ( by Sale, by customer, by hotel/Cafe, by city, by month)				
(i) Customer (by sale, by customer, by hotel/cafe, by city, by month)  iii) Sales (by customer, by hotel/cafe, by city, by month).  iv) Distributed Channel appregate (by city, by month)				
V) Seasonal change (by city, by season) vi) Projet Segment (by city, by month)				
VII) Quarter				
viii) Month ix) Year				
03 Dimensions				
Base fact: Product key, time, sales, location key, market segment key Overterly Aggregate Table: Product key, Quarterkey, Location key, Market Segment Key				
Monthly Aggregate Table: Product key, Month key, Location key, Market Segment Key.				
Quarterly Aggregate Table: Product key, Quarterkey, Location key, Market Segment Key Monthly Aggregate Table: Product key, Month key, Location key, Market Segment Key.  Yearly Aggregate Table: Product key, Year Key Location key, Market Segment Key  Customer: Customerkey, Product key, Location key, time, Market Segment key  Sales: Sales key, Product key, Distribution Channel, Location key, Time				
Sales : Sales key, Product bey, Distribution Channel, location key, Time				
Olympic				

Date:	

Profit Segment: Segment key, total Sales, Time, gross profit
Distribution Channel: Sales key, physical sale pedit, catalog sale projit, online sale projit customer key, location key, time seasonal Change's Seasonal sales, location key, market segment key, year key
orline sale profit customer key location key , time
Seasonal Change's Seasonal Sales, location key, market Segment key year ker
The state of the s
It The facts including pre-calculated facts
1) total number of items sold
2) profit on each product
3) total yearly sales
4) percentage of sales for distribution channel
5) seasonal sales per product
6) yearly Sales
OS Dimensional Attributes
Product:
Product key (PK)
SKU number (Stock keeping unit number)
SKU description (Stock heeping unit description)
Product Class (Type of product)
Price
Brand Location:
Loc key (PK)
Time: Country
Tid (PK) City
Year Zop apple
Month P. no
Doug
Otympic

	Date:
Market Segment:	Quarter:
Hotel ID (PK)	Quarter key (PK)
Hotel Description	Quarter Sales
Hotel Solos	Year ley (FK)
Caje Description	
Caje Description	
Cale Sales	Yearly:
	Year key (PK) Year
	Year
Customer Dimension:	1
Custonner they (PK)	
Customer name	Week?
Owtomer SSN	Week hey (PK)
Customer Phone	Week
Region	Month key (FK)
	C lu a
Month:	Salu:
Month key (Pk)	Sales key (PK)
Month Year Key (Flx)	Hotel Sales
Month	Caje Sales Location key (FK)
Seasonal:	Location key (Fiz.)
Seasonal key (PK)	
Seasonal Sale	
year key (FK)	
â _	
OLYMPIK	

Date:	
Ullate.	
a un.	

Profit key (PU)

Gross Profit on Sales

Sales key (FU)

Profit Description

Distribution Channel:

Channel (key (PK)

Channel sales description

Location key (FK)

Profit key (FK)

We can keep track of Slowly Changing dimensions by creating a new necord for the changing dimension (Type-II approach).

The historical duration of database is approximately 7 to 8 years
However it varies from database to database which have different kind of
constraints: