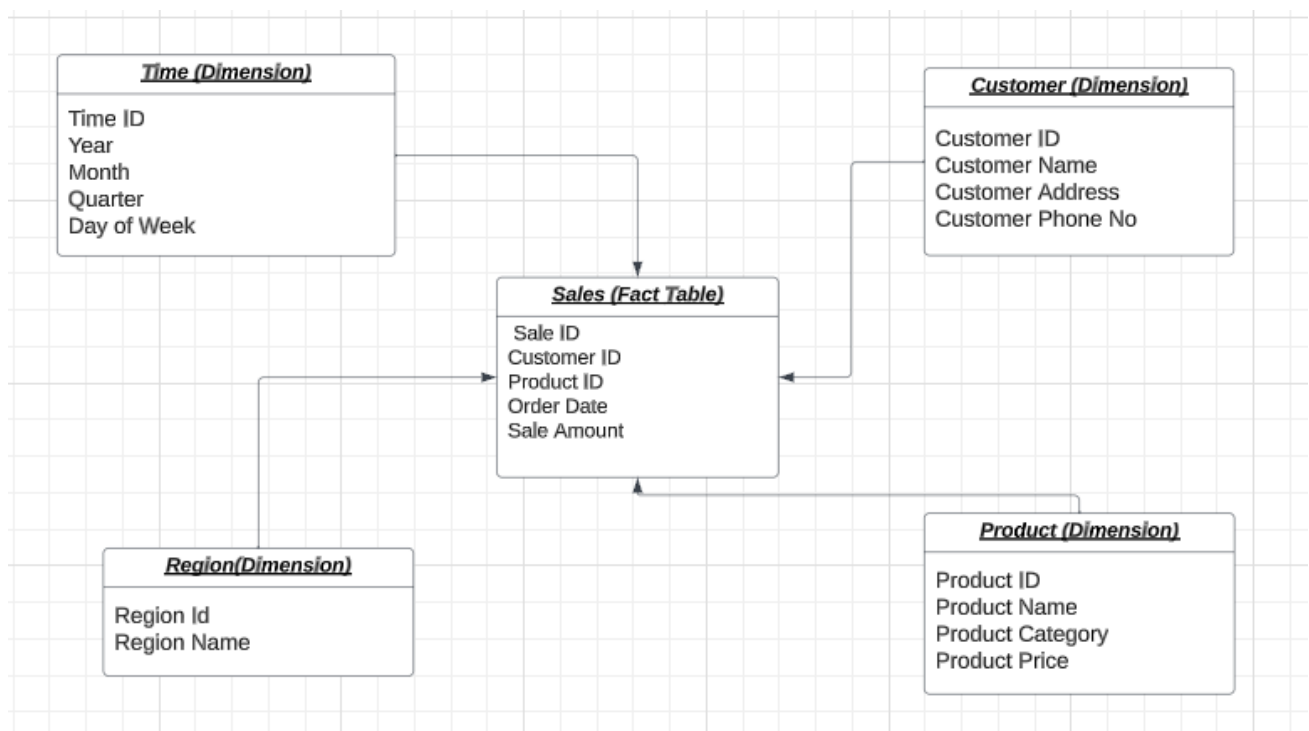*Name- Aryan Sharma*

Enrollment no – BT21GCS161

Dimensional and NoSQL Databases

Assignment – 04(I)

Question -

Create table for star schema and having dimension which change the slowly dimension {ETL for TYPE 1 changing dimension}

Star Schema (Type-1)

Time (Dimension)

Time ID
Year
Month
Quarter
Day of Week

Customer (Dimension)

Customer ID
Customer Name
Customer Address
Customer Phone No

Sales (Fact Table)

Sale ID
Customer ID
Product ID
Order Date
Sale Amount

Region(Dimension)

Region Id
Region Name

Product (Dimension)

Product ID
Product Name
Product Category
Product Price

Fact Table: (Sales Table)

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
SALE_ID	NUMBER	No	(null)	1	1	(null)
CUSTOMER_ID	NUMBER	No	(null)	2	(null)	(null)
PRODUCT_ID	NUMBER	No	(null)	3	(null)	(null)
ORDER_DATE	DATE	No	(null)	4	(null)	(null)
SALES_AMOUNT	FLOAT	No	0.0	5	(null)	(null)

	SALE_ID	CUSTOMER_ID	PRODUCT_ID	ORDER_DATE	SALES_AMOUNT
1	101	124	252	18-SEP-23	500
2	102	125	253	16-SEP-23	650

Dimension Table1: (Customer Table)

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
CUSTOMER_ID	NUMBER	No	(null)	1	1	(null)
customer_name	CHAR(50 BYTE)	No	(null)	2	(null)	(null)
CUSTOMER_ADDRESS	VARCHAR2(255 BYTE)	No	(null)	3	(null)	(null)
Customer_phone_number	NUMBER	No	(null)	4	(null)	(null)

Dimension Table2: (Product Table)

Dimension Table3: (Region Table)
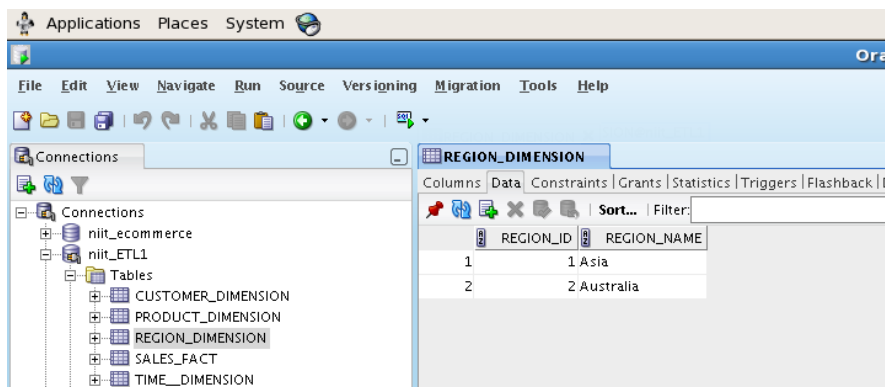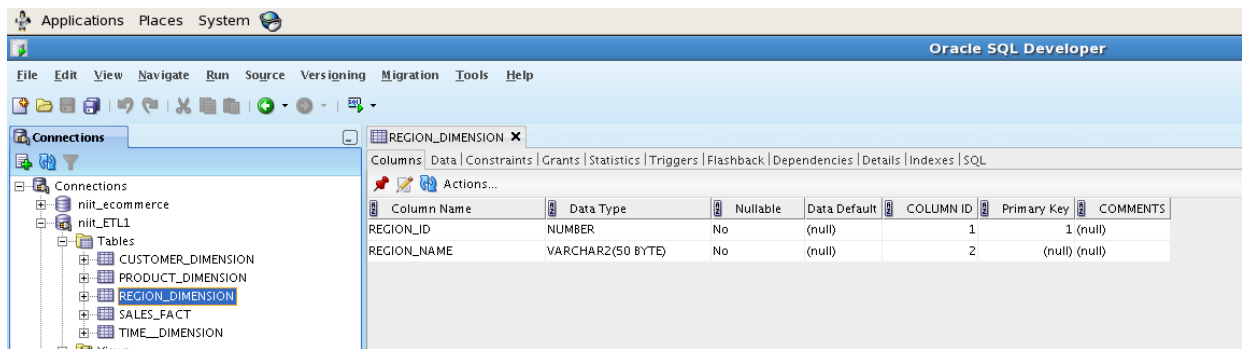
Dimension Table4: (Time Table)