Solution for Problem1 of Module 2 Assignment

The dimensions in the problem are:
Customer, CustLocation,
SalesAgent
MachineType
Time

Dimension	Attributes	Hierarchies	Data Sources
Customer	Cust_Key Cust_Name City Country State Credit_Limit Email Term_Code Zip	CustRegion (Country→State→City) Email (top level domain → second level domain → local part)	ERP Database
CustLocation	Cust_Loc_key Cust_Name Cust_No(Remove the numbering in cust_name , add this as cust_no) City Country State Email Zip	CustRegion (Country→State→City) Email (top level domain → second level domain → local part)	ERP Database
SalesAgent	Sales_Agent_Id Sales_Agent_Name State Country	(Country→State)	ERP Database
MachineType	Machine_Type_Id Manufacturer Model Rate_Per_hour Number_Of_Machines		ERP Database
Time	Time_Id Year Quarter Month Day Week	(Year→Quarter→Month→Week→Day)	Standard Time Dimension Table for the data warehouse

Here, there are various time columns in the ERP Database and Other Sources
Job (Contract Date,Date Promised)
SubJob(Date_Prod_Begin,Date_Prod_End)

Shipment(Actual_Ship_Date)
Invoice(Requested_Ship_Date)
Lead(Created_Date)
Financial Cost Summary(Begin_Date,End_Date)
Financial Sales Summary(Begin_Date,End_Date)

Assuming Location_Name and Sales_Class_Desc are unique.
Location tables and sales class tables are not required in warehouse.