Example1:

Sales Order

Fiction Company
202 N. Main
Mahattan, KS 66502

CustomerNumber:	*1001*	**Sales Order Number:**	405
Customer Name:	*ABC Company*	**Sales Order Date:**	2/1/2000
Customer Address:	*100 Points*	**Clerk Number:**	*210*
	Manhattan, KS 66502	**Clerk Name:**	*Martin Lawrence*

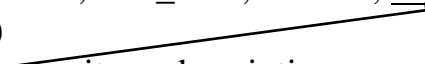| Item Ordered	Description	Quantity	Unit Price	Total
800	*widgit small*	*40*	*60.00*	*2,400.00*
801	*tingimajigger*	*20*	*20.00*	*400.00*
805	*thingibob*	*10*	*100.00*	*1,000.00*
Order Total				*3,800.00*

Primary Key: <u>Sales Order Number</u>

Problem1 solution

Sales(cust_num,cust_name,cust_address,<u>sales_num</u>,sales_date, clerk_num,clerk_name,item_order,description,quantity,unit_price,ordertotal)
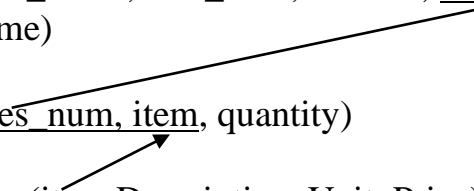
Sales (cust_name, cust_num, address, <u>sales_num</u>, sales_date, clerk_num, clerk_name)
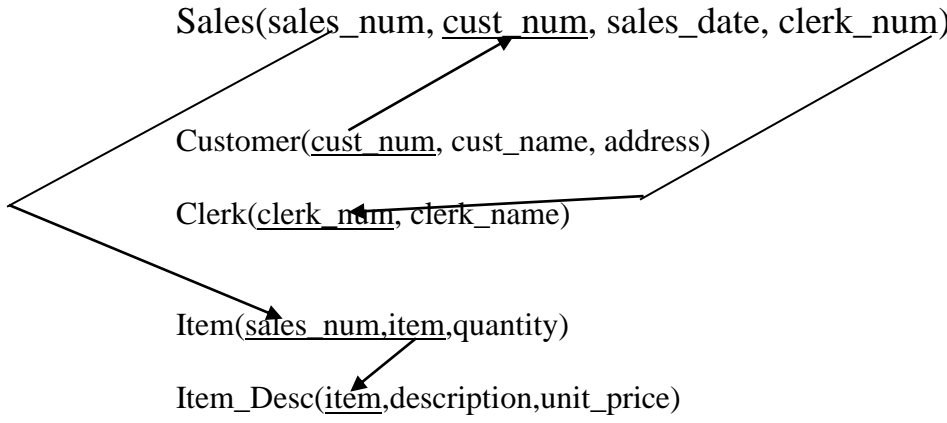Item (<u>sales_num</u>, item, description, quantity, unit_price, Total)

Sales (cust_name, cust_num, address, <u>sales_num</u>, sales_date, clerk_num, clerk_name)

Item (<u>sales_num, item</u>, quantity)

Item_Desc(<u>item</u>,Description, Unit_Price)

Sales(<u>sales_num</u>, <u>cust_num</u>, sales_date, clerk_num)

Customer(<u>cust_num</u>, cust_name, address)

Clerk(<u>clerk_num</u>, clerk_name)

Item(<u>sales_num,item</u>,quantity)

Item_Desc(<u>item</u>,description,unit_price)

Example2:

Unnormalized Table

Dept #	Dept Name	Location	Mgr Name	Mgr ID No.	Tel Extn.	Cust #	Cust Name	Date of Complaint	Nature of Complaint
11232	Soap Division	Cincinnati	Mary Samuel	S11	7711	P10451	Robert Drumtree	12/01/1998	Poor Service
						P10480	Steven Parks	14/01/1998	Discourteous Attendant

Problem 2 solution

Company(dept_num, dept_name, location, mgr_NAME, mgr_ID, cust_name, cust_num_date, nature, tel)

Company(dept_num, dept_name, location, mgr_NAME, mgr_ID, tel)

Customer(dept_num, cust_name, cust_num_date, nature)

Company(dept_num, dept_name, location, mgr_NAME, mgr_ID, tel)

Customer(dept_num, cust_num, date, nature)

Customer_Name(cust_num, cust_name)

Company(dept_num, dept_name, location, mgr_ID, tel)

Customer(dept_num, cust_num, date, nature)

Customer_Name(cust_num, cust_name)

Manager(mgr_ID, mgr_NAME)