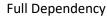
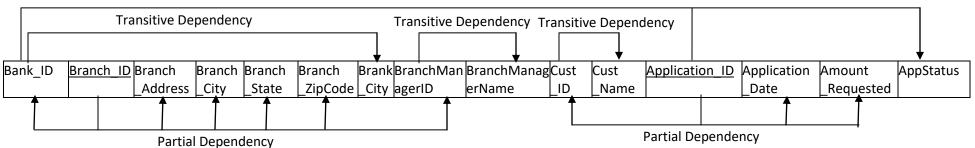
Problem 2





Ans:

- 1) the primary keys are Branch_ID and Application_ID, the other candidate keys are Cust_ID, Bank_ID
- 2) as described in the arrows in the table above partial dependencies include:
 - A. Branch_ID -> Branch_Address, Branch_City, Branch_State, Branch_Zipcode, Bank_ID, BranchManagerID
 - B. Application_ID-> Cust_ID, Application_Date, Amount_Requested

Transitive dependencies include:

- A. Bank_ID-> Bank_City
- B. Cust_ID->Cust_Name
- C. BranchManagerID->BranchManagerName
- 3) Third normal relations

Application_ID		Branch_ID	AppStatu	ıs A	APPLICATION ACCESSMENT			
Branch_ID	Pranc	h Addross	Branch_City	Branch_State	Branch_Zipcode	Brank_ID	BranchManagerID	1
Branch_iD	nnch_ID Branch_Address		Branch_City	Branch_State	Branch_Zipcode	Brank_ID		BANK BRANCH
Bank_ID	Ва	nk_City	BAN	K				
BranchManage	rID	BranchM	anagerName	BRANCH MANA	AGER			
Application_ID	Cus	t_ID A	pplication_Date	Amount_	_Requested LO	AN APPLICAT	TION	
ust_ID	Cı	ust_Name	CUSTO	OMER				

4) The ERD of the relationship As shared in lucichart