Name: Daniel Thommana SQL ASSGN 1 – normalization

1. Data is collect and stored in a table as follows for a project. Normalize following table

salutation	First_name	Member_id	address	Movies_rented
Mr.	Ram	2	New Delhi	Matrix, clash of Titan
Ms.	Sita	7	Pune	Home Alone-I, Home Alone -II

2.

Project Code	Project Name	Project Manager	Project Budget	Employee No.	Employee Name	Department No.	Department Name	Hourly Rate
PC010	Reservation System	Mr. Ajay	120500	S100	Mohan	D03	Database	21.00
PC010	Reservation System	Mr. Ajay	120500	S101	Vipul	D02	Testing	16.50
PC010	Reservation System	Mr. Ajay	120500	S102	Riyaz	D01	IT	22.00
PC011	HR System	Mrs. Charu	500500	S103	Pavan	D03	Database	18.50
PC011	HR System	Mrs. Charu	500500	S104	Jitendra	D02	Testing	17.00
PC011	HR System	Mrs. Charu	500500	S315	Pooja	D01	IT	23.50
PC012	Attendance System	Mr. Rajesh	710700	S137	Rahul	D03	Database	21.50
PC012	Attendance System	Mr. Rajesh	710700	S218	Avneesh	D02	Testing	15.50
PC012	Attendance System	Mr. Rajesh	710700	S109	Vikas	D01	IT	20.50

UNF

Solution to q1)

<u>1NF</u>

Member_id Movies_rented

Member_id salutation First_name address

(**only 1NF required**)

Solution to q2)

<u>1NF</u>

Project Code Project Name Project Manager Project Budget

Project Code Employee No. Department No. Employee Name Department Name Hourly Rate

<u>2NF</u>

Project Code Employee No. Department No Hourly Rate

Project Code Project Name Project Manager Project Budget

Employee No. Employee Name

Department No. Department Name

(**3NF not required**)