Database Design & SQL

Student ID :

Student Name :

Practical Exercise 9_10_11_12

. Normalize the following table up to Third Normal Form (3NF).

StudentID	Student	ProfID	ProfFirst	ProfLast	Department	Major1	Major2
003-112-224	Alexia Carnell	AKZ	Akram	Aziz	Computer Science	Programming	Web Development
013-112-229	Savanna Sanderlin					Programming	
009-112-227	Buddy Pothier	DOM	Donnell	Meaders	Business	Accounting	
012-111-228	Verline Papadopoulos					Auto Technology	
002-111-223	Buddy Pothier	JJJ	James	Justus	Technology	Welding	

Practical Activity #1

Specify the criteria for 1NF, 2NF and 3NF

Practical Activity #2

Apply the criteria and Normalize the above table into 1NF

Practical Activity #3

Apply the criteria and Normalize the above table into 2NF

Practical Activity #4

Apply the criteria and Normalize the above table into 3NF

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- Explain each step clearly.

- State any assumptions.

- If new tables created (during the process) show the new table structure with all the

relevant information