SULTAN KUDARAT STATE UNIVERSITY
COLLEGE OF COMPUTER STUDIES
ISULAN Campus
Isulan, Sultan Kudarat

Student's Name:	**FIRSTNAME MI. LASTNAME**
Degree	BS in Information Technology
Subject	IT221 – Advanced Database Systems
Instructor/Professor:	JAY MARK F. ARENDAIN, MIS
Year/Section:	2nd Year - A
Assignment No.:	1

General Directions:

a. Read the given questions/statements comprehensively.
b. Answer the given questions or statements accordingly. Elaborate on your answer by providing concrete examples.
c. Plagiarism and AI usage are prohibited.
d. Use Microsoft Word or Google Docs. Set the default font to Arial, size 12, and align the paragraphs to justify.
e. Save your file as a **PDF** with the filename format LASTNAME_FIRSTNAME_Assignment1 (e.g., RIZAL_JOSE_Assignment1)
f. Submit your output on or before **Sunday**, **January 19, 2025**, by **11:59 PM**.

Practical Questions:

1. INSIGHT: As a 2nd-year IT student, why do you need to understand and learn database systems?

   Answer:

2. Look for an organization or academic institution. Describe a business/organizational problem in terms of data management and operations that your chosen organization has, which you would like to see solved using a database system.

   - ***Problem description:*** *This typically refers to a detailed explanation of the problem, providing context, background information, and specifics about the issue. It often covers the "who, what, where, when, and why" of the problem, outlining the situation in depth.*
   - ***Problem summary:*** *This is a more concise overview of the problem. It highlights the key points of the issue in a brief manner, summarizing the essential aspects without going into the detailed background or context. It gives a quick snapshot of the problem.*

- ***Desired Solution using a Database System:*** *refers to the approach or strategy for addressing a particular problem through the design and use of a database system. This solution typically outlines how a database can be structured and utilized to store, manage, retrieve, and manipulate data in an efficient and effective way.*

2.1 Problem Description

Answer:

2.2 Problem Summary

Answer:

2.3 Desired Solution using a Database System

Answer: