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**ASSIGNMENT (FOR GRADING- TO BE CONVERTED TO 10% FOR RECORDS)**

**SEMESTER:** SPRING 2023

**COURSE:** APT1050 DATABASE SYSTEMS

**LECTURER:**  **Prof. Elisha Toyne O. Omulo**

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*Answer all questions. Submit by next week. Send your written work to the designated e-mail in both word and pdf formats-Name the file: [YourName-DatabaseSystems].*

*Return by 26/01/2023*

1. List five limitations of a conventional file and discuss any one of them. (5 marks)
2. Describe the ‘database’ approach. (5 marks)
3. Discuss two advantages of the database approach. (5 marks)
4. List 4 costs or risks of the database approach and discuss any one of them. (5 marks)
5. Describe the main components of the database environment. (5 marks)
6. Discuss the roles of three different individuals in the database environment.(5 marks)
7. Compare and contrast the external, conceptual, and internal schemas. (5 marks)
8. Discuss the importance of the three schema architecture for databases. (5 marks)
9. Discuss the need for conceptual schema. (5 marks)
10. Formulate a schema for managing data on personal affairs. (5 marks)

The total score will be converted to 10% of your overall marks.

Deadline: 26/01/2023