

DBS101 - FC - MAR24- PROPOSED IMPLEMENTATION

Week 2 (March 11 2024)	
Strategy for FC	<ul style="list-style-type: none"> • Blended approach based on type of learners, teaching schedule/ time and learning outcomes. • The learning resources will be prepared and provided to students at least a day before the FC session.
Total Time for FC	1 hour
Lesson Plan for FC	<ol style="list-style-type: none"> 1. The FC will be conducted on Advanced Aggregation Functions 2. The group formation will be done during the FC session of size 6-7 students and will have 4 groups (G1 to G4). 3. The students will be forming 4 groups. <ul style="list-style-type: none"> ▪ Group1(G1): Ranking ▪ Group2(G2): Windowing ▪ Group3(G3): Pivoting ▪ Group4(G4): Rollup and Cube 4. The additional instructions for the group work will be provided at the beginning of the FC session. <ul style="list-style-type: none"> • 10 minutes - Instructions • 30 minutes - Group Discussions • 20 minutes - Presentation to class <ul style="list-style-type: none"> ○ Students in groups are required to present the demo of the advanced aggregation function given to them. ○ They can use the database given during the practical session or create another database to demonstrate the application of the given aggregation function.
Expected Outcomes :	<ol style="list-style-type: none"> 1. Implement advanced aggregation functions. 2. Understand the need for advanced aggregation functions.
Resources :	<ol style="list-style-type: none"> 1. Refer to websites for more information. Example site: <ol style="list-style-type: none"> a. https://docs.data.world/documentation/sql/concepts/advanced/aggregate_functions.html b. https://runestone.academy/ns/books/published/practical_db/PART1_SQL/11-advanced-topics/advanced-topics.html 2. Textbooks/eBook. (Database systems fundamentals, Chapter 5, page 219-231.)