

TIS1101 Database Fundamentals

Assignment 2 (30%) and Presentation (10%)

Descriptions:

- 1) Students are required to use Oracle SQL Developer and implement the database based on the ERD designed in Assignment 1.
- 2) For Assignment 2 submission, each group is to submit one report (in .pdf) consisting of the following items:

Items	Marks
1. Corrected and normalized ERD	5
2. Data Dictionary	10
3. Creation of Tables	10
4. Data Insertion	5
5. Data Manipulation with SQL: i. At least one aggregate function (<i>count</i> , <i>max</i> , <i>min</i> , <i>avg</i> , <i>sum</i>) ii. At least one query with a <i>group by</i> and <i>having</i> clauses iii. Triggers iv. Stored procedure v. View vi. Use of subqueries/nested queries vii. At least <i>four</i> queries <u>not</u> covered in lecture such as display the top <i>n</i> records, auto increment by 1 for every new row inserted, etc.	70
Total marks	100

- 3) For each query executed in Item 5, students are required to:
 - a) explain the purpose of the query, and
 - b) provide a screenshot of the result set after query execution

Submission deadline for Assignment 2: **19th February 2021 (Friday), 12 pm**. Each group is to submit one report (in .pdf) via Google Classroom or MMLS (kindly refer to your tutor on the mode of submission).

Late submission, non-contributing members or plagiarism of content is to be penalized with **zero** mark.

Presentation (10%) is in **Week 14/15**. The content of presentation should reflect the content of the report submitted.



TIS1101 Database Fundamentals

Assignment 2

Title: <title>

Prepared by:

Leader: <ID> <name> <email>

Member: <ID> <name> <email>

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