


Assignment Case	
COMP6799001 Database Technology	
Computer Science	O233-COMP6799001-WO05-01
<i>Valid on Odd Semester Year 2022/2023</i>	Revision 00

1. Seluruh mahasiswa tidak diperkenankan untuk:

All students are not allowed to:

- Berdiskusi dan/atau bekerja sama dengan mahasiswa lainnya,
Discuss and/or work together with other student participants,
- Melihat sebagian atau seluruh jawaban mahasiswa lain,
Seeing a part or the whole answer from another student,
- Membuka dan menyalin dari **BUKU** atau **CATATAN**, **VIDEO** dari pengajar (recording kelas, VBL, Youtube, dsb) dan **REFERENSI** lainnya,
Open and copy from any resources such as notes, videos (class recording, VBL, Youtube, etc) and other references,
- Membuka dan menyalin jawaban dari internet (google, stackoverflow, dsb),
Open and copy answer from the internet (google, stackoverflow, etc),
- Mengerjakan soal yang tidak sesuai dengan tema yang ada di soal,
Working with another theme which is not in accordance with the existing theme in the matter of the case,
- Melakukan tindakan kecurangan lainnya,
Committing other dishonest actions,
- Secara sengaja maupun tidak sengaja melakukan segala tindakan kelalaian yang menyebabkan hasil karyanya berhasil dicontek oleh orang lain / kelompok lain.
Accidentally or intentionally conduct any failure action that cause the results of the project was copied by someone else / other groups.

2. Jika mahasiswa terbukti melakukan tindakan seperti yang dijelaskan butir 1 di atas, maka **nilai mahasiswa** yang melakukan kecurangan (menyontek maupun dicontek) akan di – **NOL** – kan.

If the student is proved to the actions described in point 1 above, the score of the student which committed dishonest acts (cheating or being cheated) will be “Zero”.

3. Perhatikan jadwal pengumpulan jawaban, segala jenis pengumpulan jawaban di luar jadwal tidak dilayani.

Pay attention to the submission schedule, all kinds of submission outside the schedule will not be accepted.

4. Bila Anda tidak membaca peraturan ini, maka Anda dianggap telah membaca dan menyetujuinya
If you have missed to read these regulations, so you are considered to have read and agreed on it.

5. Persentase penilaian untuk matakuliah ini adalah sebagai berikut:

Marking percentage for this subject is described as follows:

Tugas Mandiri <i>Assignment</i>	Proyek <i>Project</i>	UAP <i>Final Exam</i>
40%	-	60%

6. Software yang digunakan pada matakuliah ini adalah sebagai berikut:

Software will be used in this subject are described as follows:

Software <i>Software</i>
XAMPP 8.0.7

7. Ekstensi file yang harus disertakan dalam pengumpulan tugas mandiri, proyek, dan uap untuk matakuliah ini adalah sebagai berikut:

File extensions should be included in assignment, project, and final exam collection for this subject are described as follows:

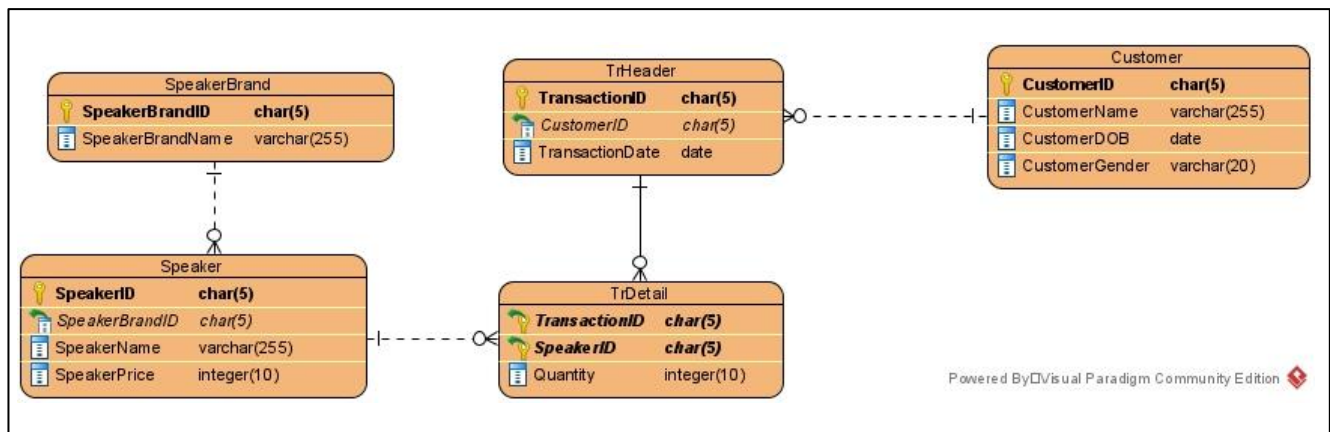
Tugas Mandiri <i>Assignment</i>	Proyek <i>Project</i>	UAP <i>Final Exam</i>
SQL	-	SQL

Tabel Relasional

Relational Table

Bergeemah

Bergeemah is a new online marketplace that sell a lot of speakers. Because of its increasing popularity, it is getting harder to handle the transaction data. You are asked to help **Bergeemah** managing their database transaction.



Soal*Case*

Note: Import 'bergeemah' database before answering the questions below.

1. Create a **table** named '**Staff**' with the following description:

(CREATE TABLE)

Field Name	Data Type	Length	Description
StaffID	CHAR	5	Primary Key. StaffID must be started with ' SF ' and followed by 3 digits of number . Example: SF101, SF123
StaffName	VARCHAR	255	References from Album . If the referenced data is changed then the changes will be cascaded.
StaffDOB	DATE	-	Cannot be empty.
StaffGender	VARCHAR	20	Cannot be empty.

2. **Insert** these data into **Staff** table:

(INSERT)

Staff			
StaffID	StaffName	StaffDOB	StaffGender
SF001	Minarnich	3 January 2001	Female

3. Display **Speaker Name** (obtained from **SpeakerName**), **Brand** (obtained from **SpeakerBrandName**), and **Price** (obtained from **SpeakerPrice**) for every speaker that has price range between **1000000** and **5000000**.

(**BETWEEN**)

Speaker Name	Brand	Price
Megaboom	Ultimate Ears	4999000
Onyx Studio 5	Harman Kardon	2650000
Onyx Studio 4	Harman Kardon	2000000
Sonos One Gen2	Sonos	4350000
SONY SRS-XB23	Sony	1299000
Beosound A1 2nd Gen	Bang & Olufsen	4099000
ProMonitor 800 Satellite	Definitive Technology	2799999

4. Display **TransactionID**, **Customer Name** (obtained from **CustomerName** in **uppercased format**), and **TransactionDate** for every transaction which **CustomerName** contains 'i' and the **CustomerGender** is **male**.

(**UPPER, LIKE**)

TransactionID	Customer Name	TransactionDate
TR004	BANDOHKS	2015-02-23
TR006	BANDOHKS	2017-02-13
TR006	BANDOHKS	2017-02-13
TR008	TIMOON	2019-09-03
TR009	MOWNITOOR	2021-11-02
TR009	MOWNITOOR	2021-11-02
TR010	CHRISTINO	2022-07-15

5. Update Speaker data by **increasing** SpeakerPrice by 1000000 on **Speaker** table for every speaker transaction whose **quantity is bigger than 3**.

(UPDATE)

Before update:

SpeakerID	SpeakerBrandID	SpeakerName	SpeakerPrice
SP001	SB001	WonderBoom 2	999000
SP002	SB001	Megaboom	4999000
SP003	SB004	Onyx Studio 5	2650000
SP004	SB004	Onyx Studio 4	2000000
SP005	SB005	Home Speaker 500	7899000
SP006	SB005	Soundlink Revolve + II Revolve Plus	6350000
SP007	SB003	Sonos Move	7911000
SP008	SB003	Sonos One Gen2	4350000
SP009	SB003	Sonos ONE SL	15800000
SP010	SB007	SONY SRS-XB23	1299000
SP011	SB006	Sennheiser Ambeo Soundbar	49750000
SP012	SB008	Klipsch The Five Bookshelf	15000000
SP013	SB009	Beosound A1 2nd Gen	4099000
SP014	SB010	ProMonitor 800 Satellite	2799999

After update:

SpeakerID	SpeakerBrandID	SpeakerName	SpeakerPrice
SP001	SB001	WonderBoom 2	1999000
SP002	SB001	Megaboom	4999000
SP003	SB004	Onyx Studio 5	2650000
SP004	SB004	Onyx Studio 4	2000000
SP005	SB005	Home Speaker 500	7899000
SP006	SB005	Soundlink Revolve + II Revolve Plus	7350000
SP007	SB003	Sonos Move	8911000
SP008	SB003	Sonos One Gen2	4350000
SP009	SB003	Sonos ONE SL	15800000
SP010	SB007	SONY SRS-XB23	1299000
SP011	SB006	Sennheiser Ambeo Soundbar	49750000
SP012	SB008	Klipsch The Five Bookshelf	15000000
SP013	SB009	Beosound A1 2nd Gen	4099000
SP014	SB010	ProMonitor 800 Satellite	2799999

If you do not understand, please ask your assistant! Do not make your own assumption!