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|---|---|
| Assignment Case |  |
| COMP6799001 Database Technology | |
| Computer Science | O233-COMP6799001-VA14-01 |
| <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:

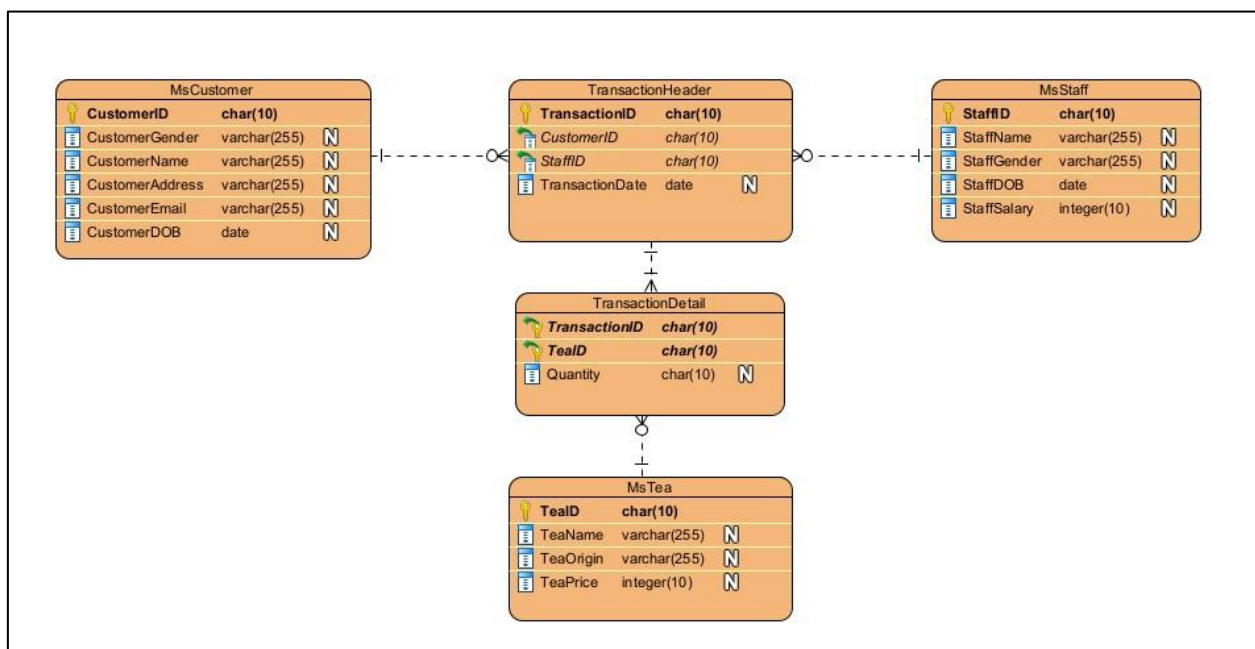
| Tugas Mandiri <i>Assignment</i> | Proyek <i>Project</i> | UAP <i>Final Exam</i> |
|---|---------------------------------|---------------------------------|
| SQL | - | SQL |

Tabel Relasional

Relational Table

VA Tea

VA Tea is an online store that sell many kinds of tea. Because of its increasing popularity, it is getting harder to handle the transaction data. You are asked to help **VA Tea** managing their database transaction.



Soal

Case

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

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

(CREATE TABLE)

| Field Name | Data Type | Length | Description |
|------------------|-----------|--------|--|
| PayrollID | CHAR | 10 | Primary Key. |
| StaffID | CHAR | 10 | Cannot be empty. References from MsStaff . If the referenced data is changed then the changes will be cascaded. |
| PayrollGivenDate | DATE | - | Cannot be empty. |
| PayrollStatus | CHAR | 10 | Cannot be empty. |

2. **Insert** this data into **MsStaffPayroll** table:

(INSERT)

| MsStaffPayroll | | | |
|-----------------------|---------|-------------------------------|---------------|
| PayrollID | StaffID | PayrollGivenDate | PayrollStatus |
| PR001 | ST001 | 1 st December 2021 | Paid |

3. Display **StaffID**, **StaffName**, **StaffGender**, **StaffDOB**, and **StaffSalary** for every staff whose **name** starts with '**J**'.

(LIKE)

| StaffID | StaffName | StaffGender | StaffDOB | StaffSalary |
|---------|-------------------|-------------|------------|-------------|
| ST001 | Jordy Wira Arta | Male | 1997-12-19 | 2000000 |
| ST003 | Johevin Blesstowi | Male | 1993-03-17 | 4000000 |
| ST004 | Jason | Male | 1996-08-19 | 2750000 |

4. Display **CustomerID**, **CustomerName** (obtained from CustomerName in **uppercased format**), and **TransactionID** for every tea where **TeaID** is either 'TA002' or 'TA003' where the tea **quantity** bought was more than 1.

(IN, UPPER)

| CustomerID | CustomerName | TransactionID |
|------------|-------------------------|---------------|
| CU001 | HOLYVIA MARCELLA | TR001 |
| CU003 | GRATIA HONESTHA PATIUNG | TR010 |
| CU010 | JONATHAN RAINE WIRANATA | TR013 |

5. Delete **Customer** data from **MsCustomer** table for every customer that made transaction(s) in year **2021**.

(DELETE, YEAR)

Before update:

| CustomerID | CustomerGender | CustomerName | CustomerAddress | CustomerEmail | CustomerDOB |
|------------|----------------|-------------------------|----------------------------|---------------------|-------------|
| CU001 | Female | Holyvia Marcella | 236 West Avenue Street | holyvia@email.com | 1999-03-04 |
| CU002 | Male | Gabriel Matthew Mintana | 456 South Street | gabriel@email.com | 2000-09-05 |
| CU003 | Female | Gratia Honestha Patiung | 554 Noble Avenue | gratia@email.com | 2003-08-05 |
| CU004 | Male | Anthony William Chandra | 841 White Second Street | anthony@email.com | 2002-04-05 |
| CU005 | Male | Jeremy Loa | 614 Green Milton Boulevard | jeremy@email.com | 2003-05-01 |
| CU006 | Male | Wiryahadi Gunawan | 12 New Street | wiryahadi@email.com | 1998-03-18 |
| CU007 | Male | Vito Caris Untariady | 269 Rocky Freeway | vito@email.com | 2004-02-25 |
| CU008 | Male | Renaldi Addison | 657 West Second Avenue | renaldi@email.com | 2001-01-02 |
| CU009 | Male | Justine Winata Purwoko | 56 North Old Road | tintin@email.com | 1999-04-09 |
| CU010 | Male | Jonathan Raine Wiranata | 87 Milton Street | holyvia@email.com | 2002-08-15 |

After Delete:

| CustomerID | CustomerName | CustomerGender | CustomerAddress | CustomerEmail | CustomerDOB |
|------------|--------------|-------------------------|----------------------------|---------------------|-------------|
| CU005 | Male | Jeremy Loa | 614 Green Milton Boulevard | jeremy@email.com | 2003-05-01 |
| CU006 | Male | Wiryahadi Gunawan | 12 New Street | wiryahadi@email.com | 1998-03-18 |
| CU007 | Male | Vito Caris Untariady | 269 Rocky Freeway | vito@email.com | 2004-02-25 |
| CU008 | Male | Renaldi Addison | 657 West Second Avenue | renaldi@email.com | 2001-01-02 |
| CU009 | Male | Justine Winata Purwoko | 56 North Old Road | tintin@email.com | 1999-04-09 |
| CU010 | Male | Jonathan Raine Wiranata | 87 Milton Street | holylvia@email.com | 2002-08-15 |

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