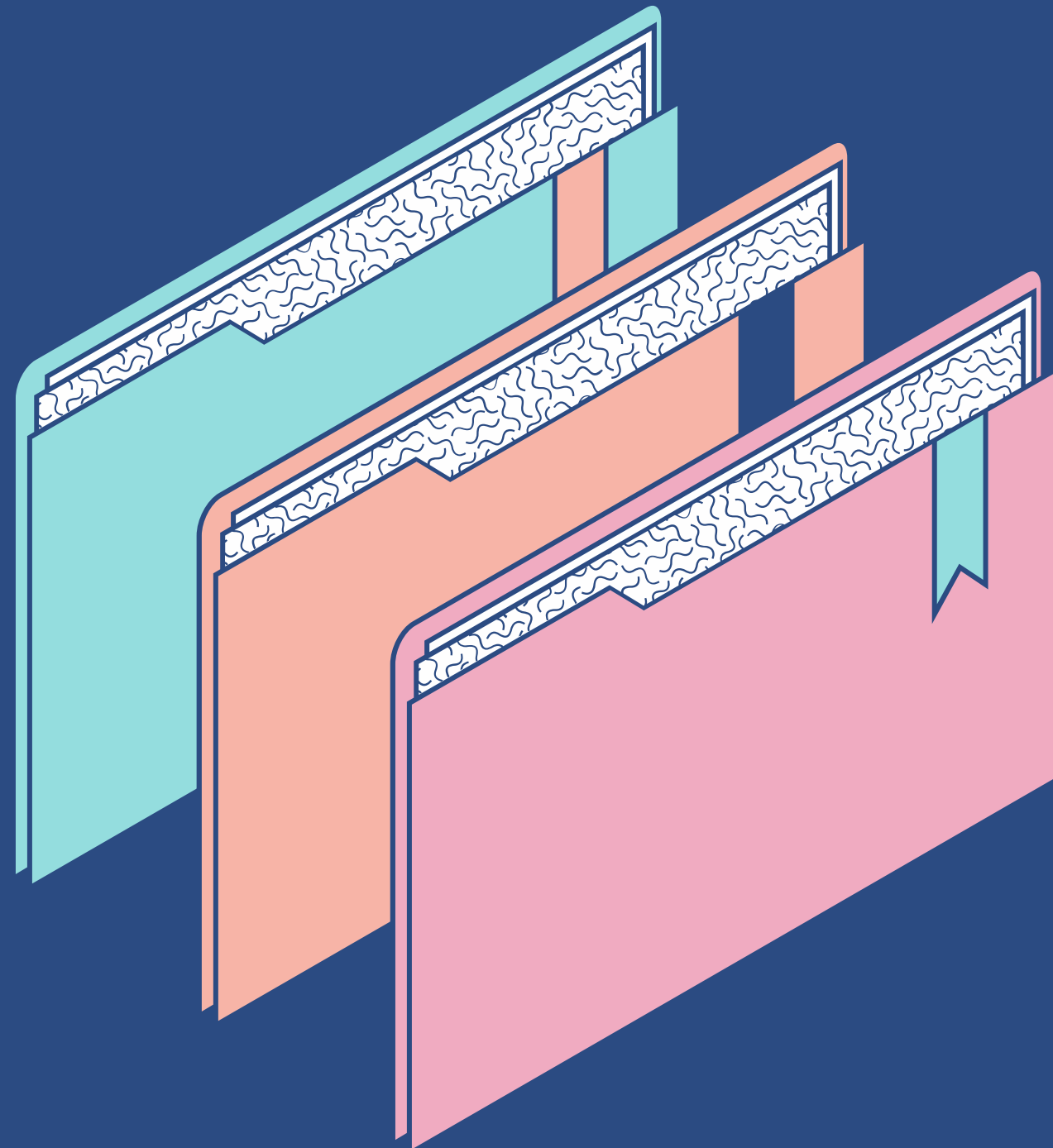




KELOMPOK 3 PROJECT BASIS DATA SI07

Logika Bisnis Berdasarkan Sistem Informasi

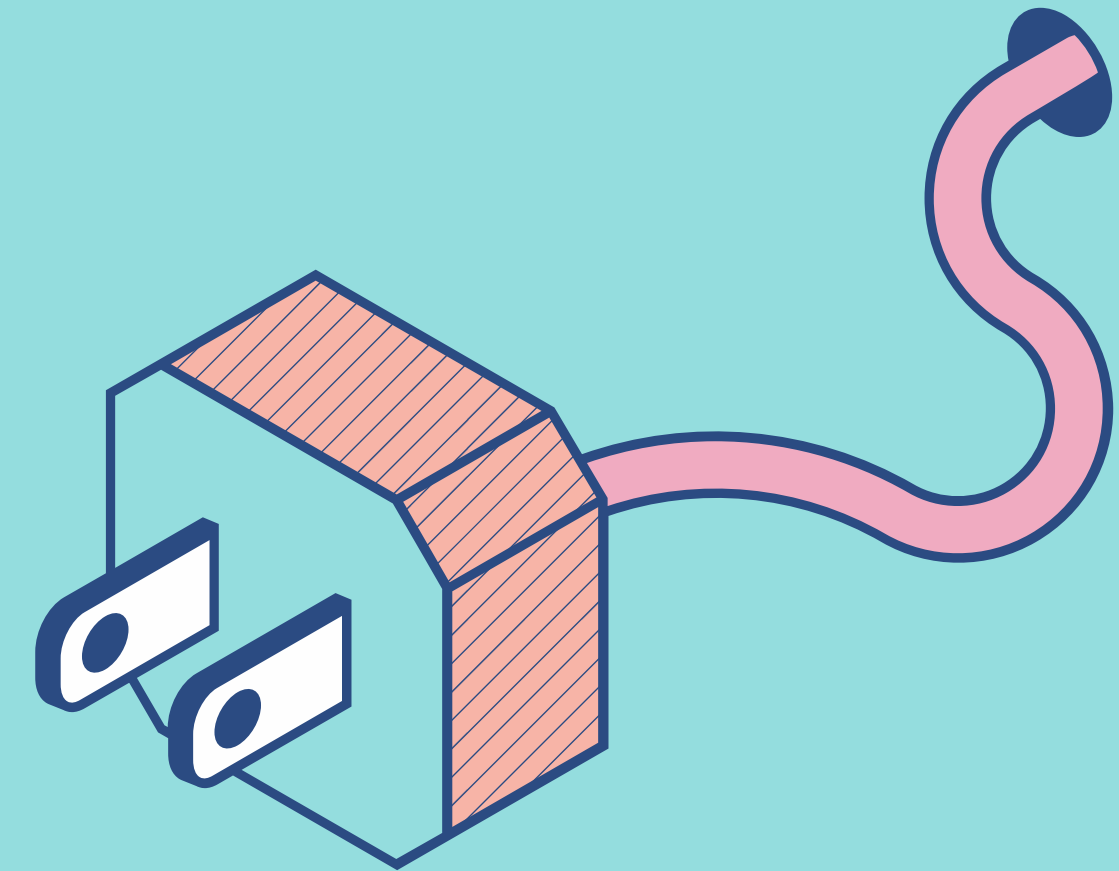
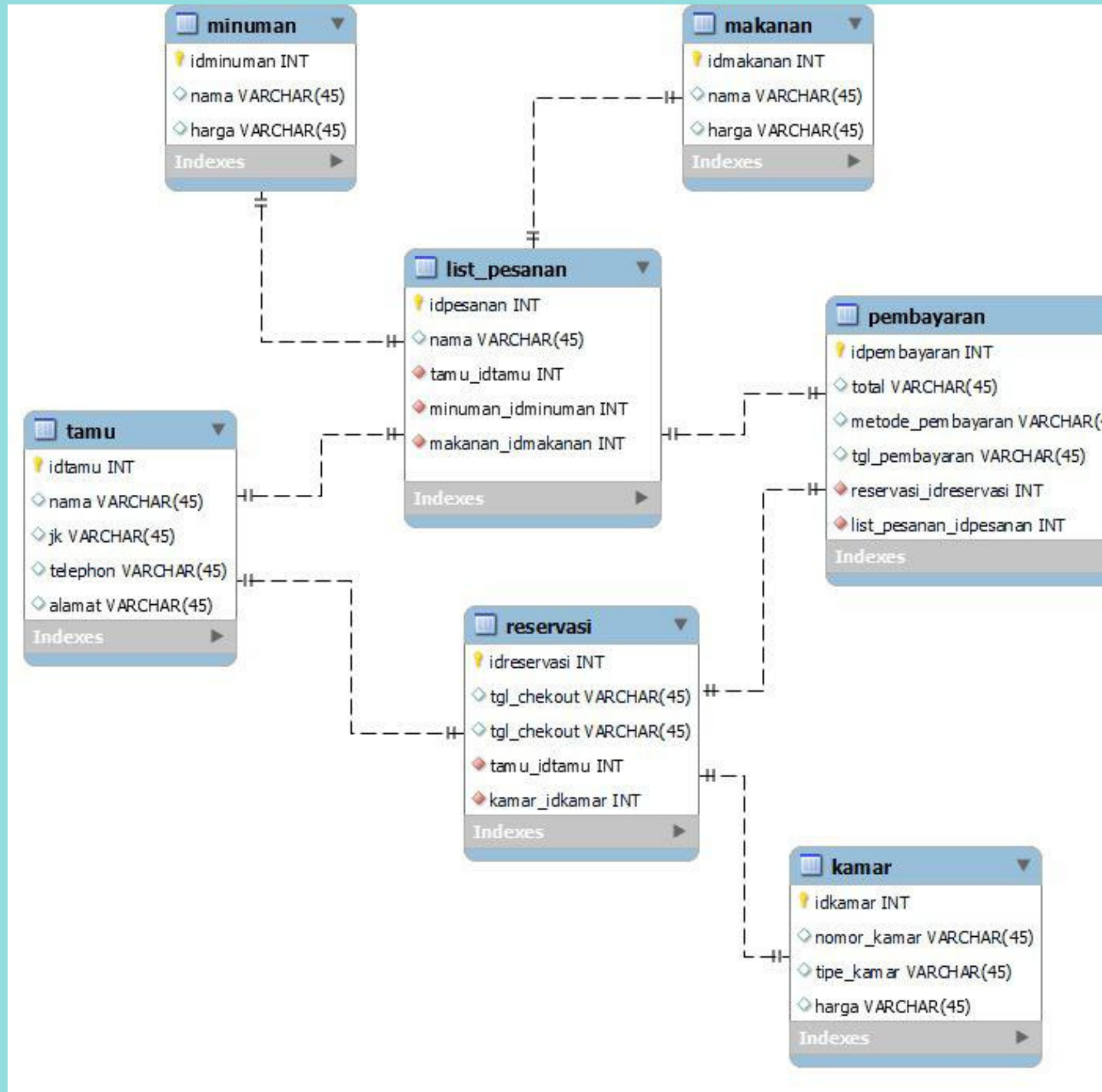
- Ahmad Sirojudin (0110122258)
- Kamilla Bilqis (0110122206)
- Fadilah Salsa Bilah (0110122010)
- Herman Virgiawan (0110122150)

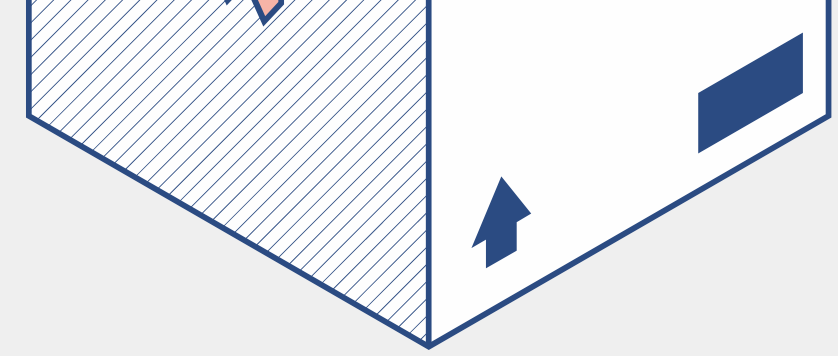
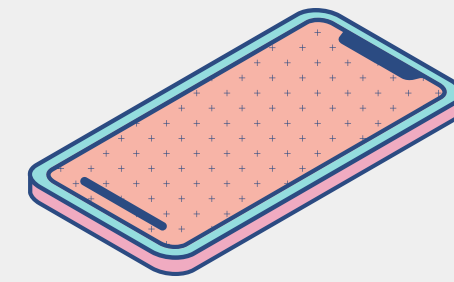
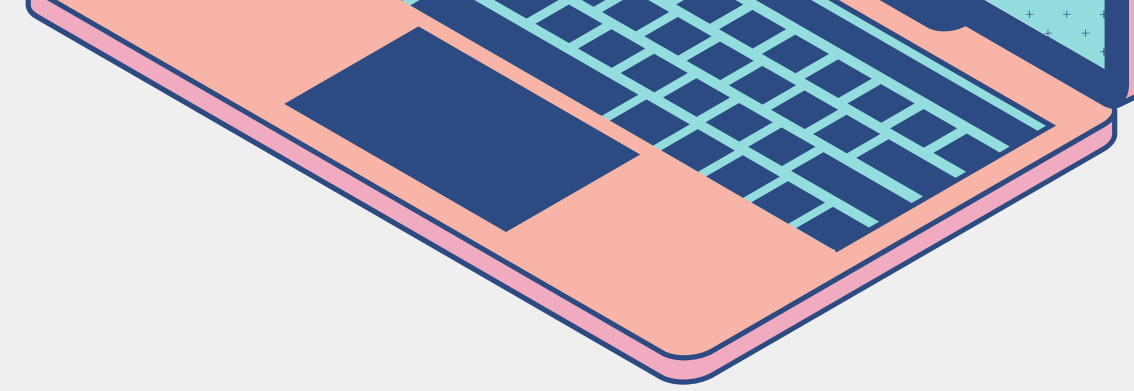


Logika bisnis hotel berdasarkan sistem informasi

logika bisnis hotel berdasarkan sistem informasi memadukan prinsip-prinsip logika bisnis dengan penggunaan sistem informasi yang spesifik untuk industri perhotelan. Hal ini bertujuan untuk meningkatkan efisiensi operasional, pelayanan tamu yang lebih baik, dan pengambilan keputusan yang lebih cerdas dalam lingkungan bisnis hotel.

Desain Database





Membuat table view data tamu

```
create view data as select tamu.id,  
tamu.nama, tamu.no_telepon,  
reservasi.tanggal_chekin,  
reservasi.tanggal_chekout,  
kamar.nomor_kamar, kamar.tipe_kamar from  
tamu join reservasi on tamu.id  
=reservasi.tamu_id join kamar on kamar.id =  
reservasi.kamar_id;  
select * from data;
```

Create view list_pesanan

```
create view list as select tamu.id,  
tamu.nama, list_pesanan.nama_pemesan  
as pesanan_atas_nama, minuman.nama as  
minuman, makanan.nama as makanan  
from tamu join list_pesanan on  
tamu.id=list_pesanan.tamu_id join  
minuman on  
list_pesanan.minuman_id=minuman.id join  
makanan on  
list_pesanan.makanan_id=makanan.id;  
select * from list;
```



HASILVIEW

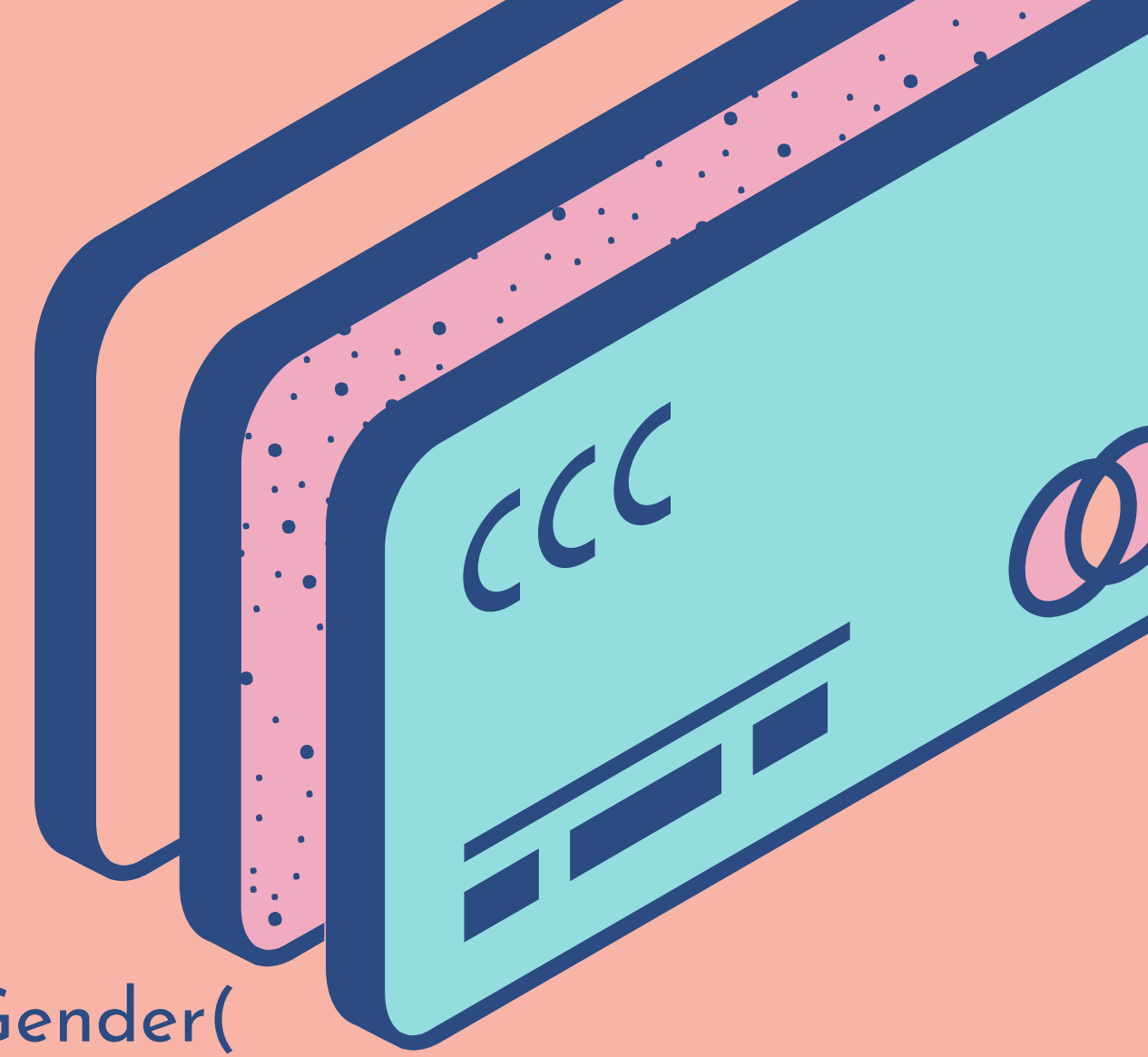
```
MariaDB [dbhotel]> select * from data;
```

id	nama	no_telepon	tanggal_chekin	tanggal_chekout	nomor_kamar	tipe_kamar
3	Putra Ramadhan	082834567231	2022-09-12	2022-10-12	S120	Standar
1	Rehan Putra	087014556171	2022-06-07	2022-07-07	E202	Executive
4	Dea Amanda	081975674132	2023-05-01	2023-06-01	E202	Executive
5	Benzema	082978654231	2022-09-10	2022-10-10	P330	Presiden Suite
2	Alodia Bidara	081966785612	2023-10-02	2023-11-03	P330	Presiden Suite

```
MariaDB [dbhotel]> select * from list;
```

id	nama	pesanan_atas_nama	minuman	makanan
5	Benzema	Benzema	Milo	Pizza Pepperoni
1	Rehan Putra	Rehan Putra	cappucinno	Chicken Biriani
2	Alodia Bidara	Alodia Bidara	Ocean Blue Mojitos Squash	Chicken Madras Curry
4	Dea Amanda	Dea Amanda	Apple Tea	Sate Ayam
3	Putra Ramadhan	Putra Rmadhan	Orange Blue Mojitos Squash	Nasi Bali Wardani

Stored Procedur



Procedur Menampilkan Jumlah Harga Seluruh Makanan

```
delimiter //  
create procedure  
totalHargaMakanan()  
-> begin  
-> select sum(harga) as  
total_seluruh_harga_makanan from  
makanan;  
-> end //  
-> call totalHargaMakanan//
```

Procedure Untuk Menampilkan Data Tamu Berdasarkan Jenis Kelamin

```
create procedure TamuByGender(  
-> in gender char(6)  
-> )  
-> begin  
-> select * from tamu where  
jenis_kelamin = gender;  
-> end //  
-> call TamuByGender('Pria');
```

Hasil Stored Procedur

```
MariaDB [dbhotel]> delimiter //
```

```
MariaDB [dbhotel]> create procedure totalHargaMakanan()  
-> begin  
-> select sum(harga) as total_seluruh_harga_makanan from makanan;  
-> end //
```

Query OK, 0 rows affected (0.019 sec)

```
MariaDB [dbhotel]> call totalHargaMakanan//
```

total_seluruh_harga_makanan
1585000

1 row in set (0.004 sec)

```
MariaDB [dbhotel]> call TamuByGender('pria');
```

id	nama	jenis_kelamin	no_telepon	alamat
1	Rehan Putra	Pria	087014556171	jln.banda No.14
3	Putra Ramadhan	Pria	082834567231	jln.batureok No.50
5	Benzema	Pria	082978654231	jln.caheum No.100

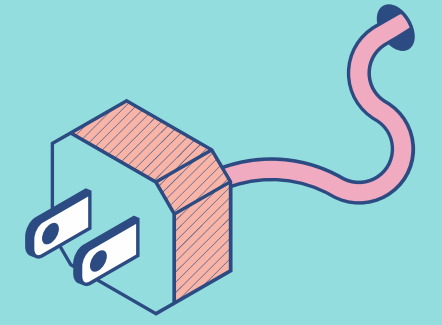
3 rows in set (0.003 sec)

Query OK, 0 rows affected (0.021 sec)

```
MariaDB [dbhotel]> call TamuByGender('wanita');
```



Stored Function



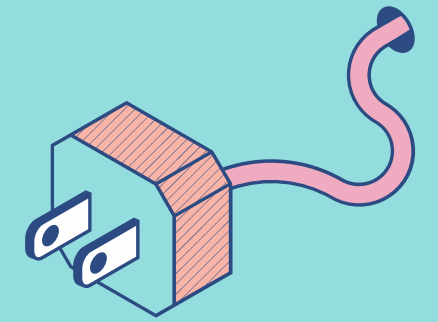
Stored Untuk Menghitung Total Harga Pesanan

```
DELIMITER //
CREATE FUNCTION
hitung_total_harga_pesanan(pesanan_id INT)
RETURNS DECIMAL(10,2)
BEGIN
DECLARE total_harga DECIMAL(10,2);
SELECT SUM(makanan.harga + minuman.harga)
INTO total_harga
FROM list_pesanan
JOIN makanan ON list_pesanan.makanan_id =
makanan.id
JOIN minuman ON list_pesanan.minuman_id =
minuman.id
WHERE list_pesanan.id = pesanan_id
RETURN total_harga;
END //
DELIMITER ;
```

Stored Function Untuk Menghitung Jumlah Tamu;

```
DELIMITER //
CREATE FUNCTION hitung_jumlah_tamu_terdaftar()
RETURNS INT
BEGIN
DECLARE jumlah_tamu INT;
SELECT COUNT(*) INTO jumlah_tamu FROM tamu;
RETURN jumlah_tamu;
END //
DELIMITER ;
```


Hasil Stored Function



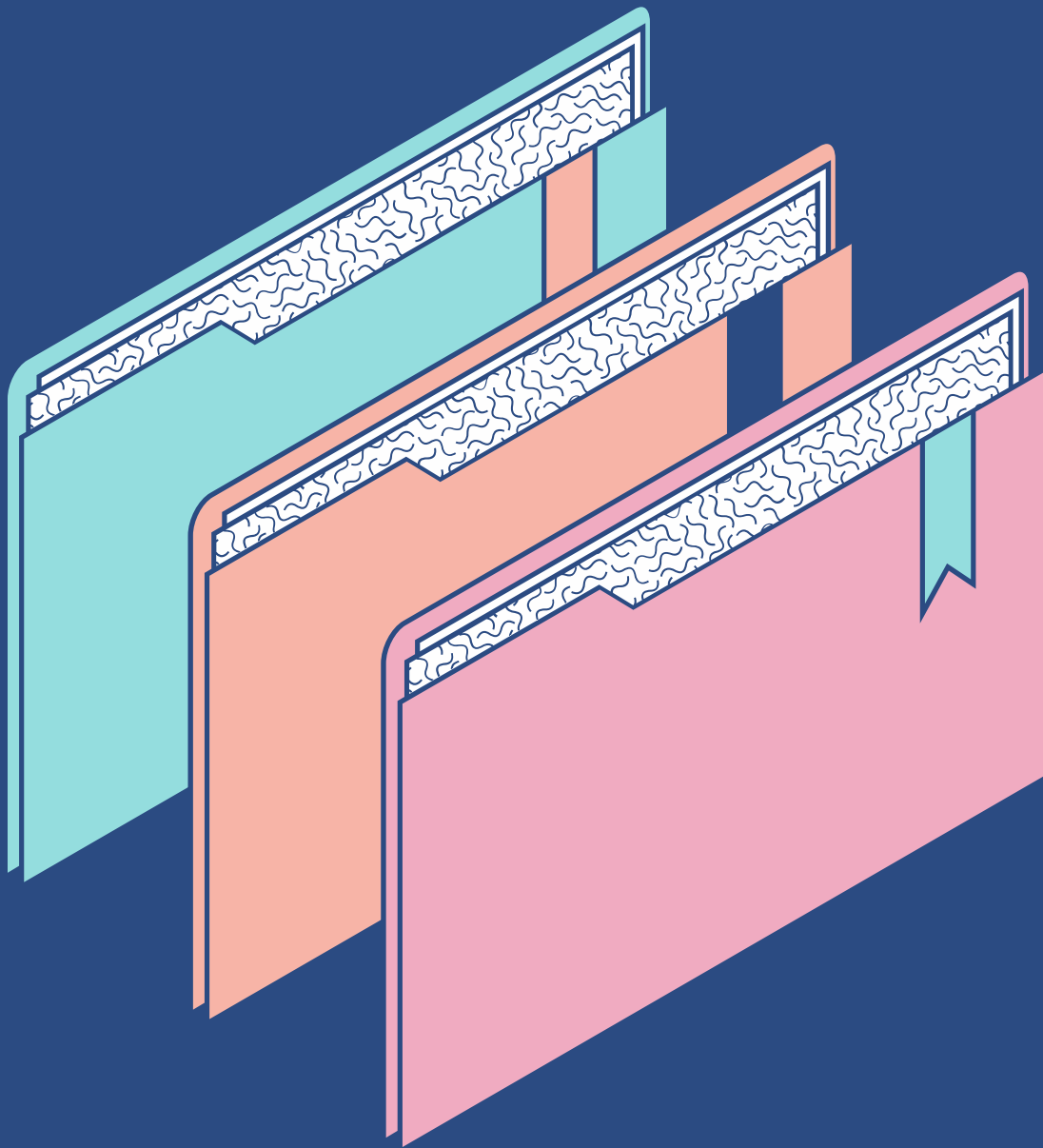
```
MariaDB [dbhotel]> SELECT hitung_total_harga_pesanan(1) AS total_harga_pesanan;
+-----+
| total_harga_pesanan |
+-----+
|          184000.00 |
+-----+
1 row in set (0.001 sec)

MariaDB [dbhotel]>
```

```
MariaDB [dbhotel]> DELIMITER ;
MariaDB [dbhotel]> SELECT hitung_jumlah_tamu_terdaftar() AS jumlah_tamu_terdaftar;
+-----+
| jumlah_tamu_terdaftar |
+-----+
|             5 |
+-----+
1 row in set (0.002 sec)

MariaDB [dbhotel]> _
```

Trigger



```
delimiter //
```

```
MariaDB [dbhotel]> create trigger
```

```
update_alamat_tamu
```

```
-> before update
```

```
-> on tamu
```

```
-> for each row
```

```
-> begin
```

```
-> insert into log_tamu
```

```
-> set id_tamu = old.id,
```

```
-> nama = old.nama,
```

```
-> alamat_lama = old.alamat
```

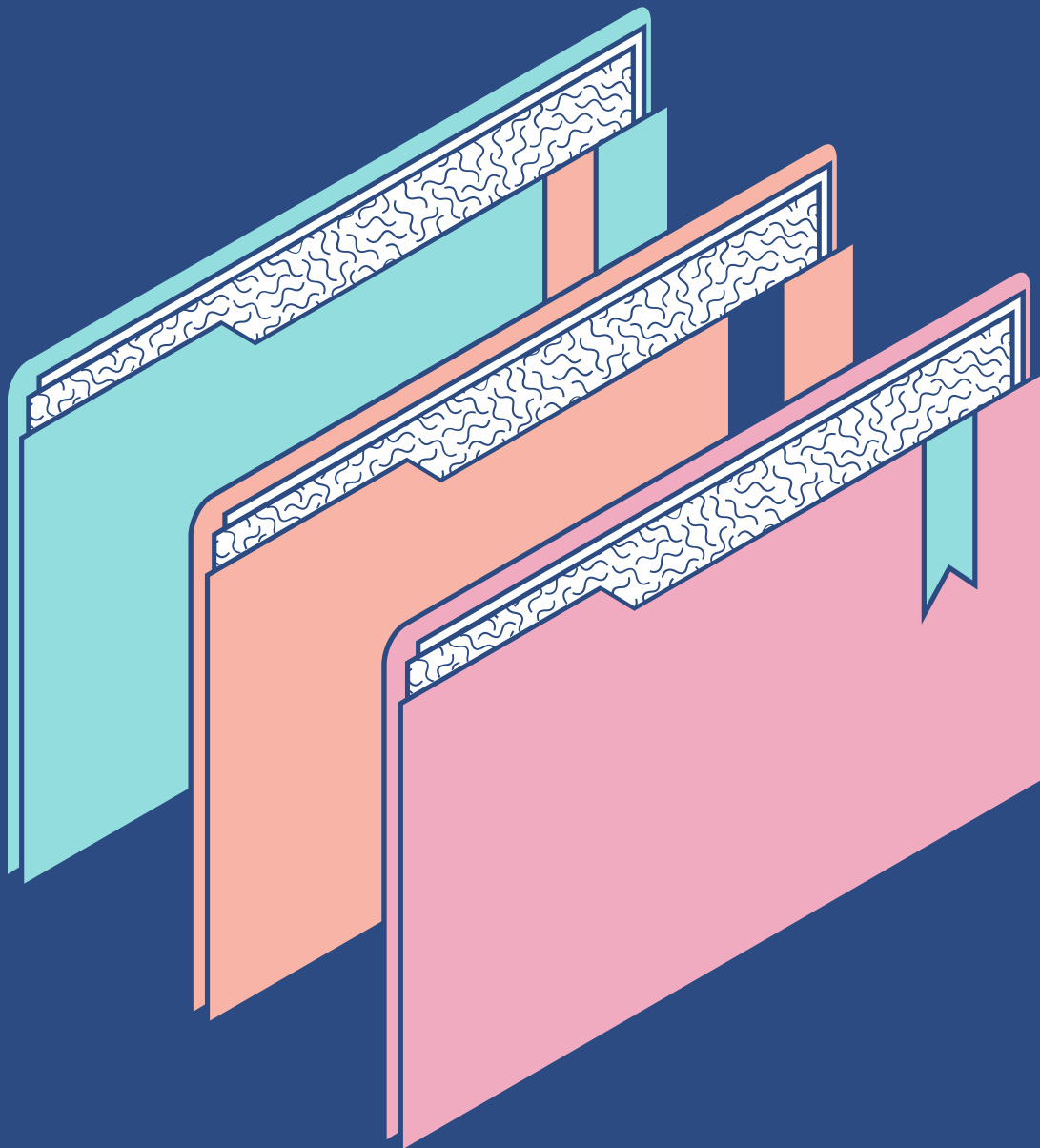
```
-> ,
```

```
-> alamat_baru = new.alamat,
```

```
-> waktu = now();
```

```
-> end //
```

Hasil Trigger



```
MariaDB [dbhotel]> delimiter ;
MariaDB [dbhotel]> select * from tamu;
```

id	nama	jenis_kelamin	no_telepon	alamat
1	Rehan Putra	Pria	087014556171	jln.banda No.14
2	Alodia Bidara	Wanita	081966785612	jln.lombok No.15
3	Putra Ramadhan	Pria	082834567231	jln.batureok No.50
4	Dea Amanda	Wanita	081975674132	jln.cikole No.153
5	Benzema	Pria	082978654231	jln.caheum No.100
6	Junaedi	pria	085712190188	kp. kebayunan no 33

6 rows in set (0.003 sec)

```
MariaDB [dbhotel]> update tamu
-> set alamat = 'jln.babakan raya no.15'
-> where id = 6;
Query OK, 1 row affected (0.019 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
MariaDB [dbhotel]> select * from log_tamu;
```

id_log	id_tamu	nama	alamat_lama	alamat_baru	waktu
1	6	Junaedi	kp. kebayunan no 33	jln.babakan raya no.15	2023-06-16

1 row in set (0.000 sec)

```
MariaDB [dbhotel]>
```

Thank
You

