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Nama Peserta : Selfhy Agina Ginting

Nomor Peserta : JVSB001ONL011

Kelas : Back End Development with Java Springboot

Tugas Challenge Sesi 10

Create table

1. **Create table pegawai**

SET NAMES utf8;

SET time\_zone = '+00:00';

SET foreign\_key\_checks = 0;

SET sql\_mode = 'NO\_AUTO\_VALUE\_ON\_ZERO';

SET NAMES utf8mb4;

DROP TABLE IF EXISTS `tb\_pegawai`;

CREATE TABLE `tb\_pegawai` (

`id\_pegawai` varchar(50) NOT NULL,

`nama\_pegawai` varchar(50) NOT NULL,

`alamat` varchar(100) DEFAULT NULL,

`jenis\_kelamin` enum('laki-laki','perempuan') NOT NULL,

`tg\_lahir` date NOT NULL,

`no\_telp` varchar(20) NOT NULL,

`status` varchar(50) NOT NULL,

`jabatan` varchar(50) NOT NULL,

`id\_gaji` varchar(50) NOT NULL,

PRIMARY KEY (`id\_pegawai`),

KEY `id\_gaji` (`id\_gaji`),

CONSTRAINT `tb\_pegawai\_ibfk\_1` FOREIGN KEY (`id\_gaji`) REFERENCES `tb\_gaji` (`id\_gaji`)

) ENGINE=InnoDB DE

1. **Create table gaji**

SET NAMES utf8;

SET time\_zone = '+00:00';

SET foreign\_key\_checks = 0;

SET sql\_mode = 'NO\_AUTO\_VALUE\_ON\_ZERO';

SET NAMES utf8mb4;

DROP TABLE IF EXISTS `tb\_gaji`;

CREATE TABLE `tb\_gaji` (

`id\_gaji` varchar(50) NOT NULL,

`gaji` int(50) NOT NULL,

`tgl\_gaji` date NOT NULL,

PRIMARY KEY (`id\_gaji`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

1. **Create table pembeli**

SET NAMES utf8;

SET time\_zone = '+00:00';

SET foreign\_key\_checks = 0;

SET sql\_mode = 'NO\_AUTO\_VALUE\_ON\_ZERO';

SET NAMES utf8mb4;

DROP TABLE IF EXISTS `tb\_pembeli`;

CREATE TABLE `tb\_pembeli` (

`id\_pembeli` varchar(50) NOT NULL,

`nama\_pembeli` varchar(50) NOT NULL,

`alamat` varchar(100) NOT NULL,

`jenis\_kelamin` enum('laki-laki','perempuan') NOT NULL,

`tgl\_lahir` date NOT NULL,

`status` varchar(50) NOT NULL,

`no\_telp` varchar(20) DEFAULT NULL,

`pekerjaan` varchar(50) NOT NULL,

PRIMARY KEY (`id\_pembeli`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

1. **Create table menu**

SET NAMES utf8;

SET time\_zone = '+00:00';

SET foreign\_key\_checks = 0;

SET sql\_mode = 'NO\_AUTO\_VALUE\_ON\_ZERO';

SET NAMES utf8mb4;

DROP TABLE IF EXISTS `tb\_menu`;

CREATE TABLE `tb\_menu` (

`id\_menu` varchar(50) NOT NULL,

`nama\_menu` varchar(50) NOT NULL,

`jenis` varchar(50) NOT NULL,

`harga` int(50) NOT NULL,

PRIMARY KEY (`id\_menu`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

1. **Create table transaksi**

SET NAMES utf8;

SET time\_zone = '+00:00';

SET foreign\_key\_checks = 0;

SET sql\_mode = 'NO\_AUTO\_VALUE\_ON\_ZERO';

SET NAMES utf8mb4;

DROP TABLE IF EXISTS `tb\_transaksi`;

CREATE TABLE `tb\_transaksi` (

`id\_transaksi` varchar(50) NOT NULL,

`id\_pembeli` varchar(50) NOT NULL,

`id\_menu` varchar(50) NOT NULL,

`id\_pegawai` varchar(50) NOT NULL,

`tgl\_transaksi` date NOT NULL,

KEY `id\_pembeli` (`id\_pembeli`),

KEY `id\_menu` (`id\_menu`),

KEY `id\_pegawai` (`id\_pegawai`),

CONSTRAINT `tb\_transaksi\_ibfk\_1` FOREIGN KEY (`id\_pembeli`) REFERENCES `tb\_pembeli` (`id\_pembeli`),

CONSTRAINT `tb\_transaksi\_ibfk\_2` FOREIGN KEY (`id\_menu`) REFERENCES `tb\_menu` (`id\_menu`),

CONSTRAINT `tb\_transaksi\_ibfk\_3` FOREIGN KEY (`id\_pegawai`) REFERENCES `tb\_pegawai` (`id\_pegawai`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

Insert

1. **Insert into tb\_pegawai**

SET NAMES utf8;

SET time\_zone = '+00:00';

SET foreign\_key\_checks = 0;

SET sql\_mode = 'NO\_AUTO\_VALUE\_ON\_ZERO';

SET NAMES utf8mb4;

INSERT INTO `tb\_pegawai` (`id\_pegawai`, `nama\_pegawai`, `alamat`, `jenis\_kelamin`, `tg\_lahir`, `no\_telp`, `status`, `jabatan`) VALUES

('pegawai1', 'selfhy agina ginting', 'jalan setiabudi medan', 'perempuan', '2000-07-29', '08123456789', 'belum menikah', 'BTDP'),

('pegawai2', 'defhy regina ginting', 'jalan kapt. pattimura ', 'perempuan', '2000-07-29', '08123456789', 'belum menikah', 'law'),

('pegawai3', 'muhammad syahbana', 'jalan sudirman ', 'laki-laki', '2001-08-27', '08123456789', 'belum menikah', 'politik'),

('pegawai4', 'budiman ', 'jalan haji juanda', 'laki-laki', '1997-10-08', '08123456789', 'menikah', 'head of security'),

('pegawai5', 'putri ayu', 'jalan kapt. pattimura ', 'perempuan', '1998-02-02', '08123456789', 'menikah', 'bussiness lead');

1. **Insert into tb\_gaji**

SET NAMES utf8;

SET time\_zone = '+00:00';

SET foreign\_key\_checks = 0;

SET sql\_mode = 'NO\_AUTO\_VALUE\_ON\_ZERO';

SET NAMES utf8mb4;

INSERT INTO `tb\_gaji` (`id\_gaji`, `gaji`, `tgl\_gaji`, `id\_pegawai`) VALUES

('gaji1', 3000000, '2022-01-01', 'pegawai3'),

('gaji2', 9000000, '2022-02-02', 'pegawai1'),

('gaji3', 9000000, '2022-02-02', 'pegawai2'),

('gaji4', 15000000, '2022-02-02', 'pegawai4'),

('gaji5', 10000000, '2022-01-01', 'pegawai5');

1. **Insert into tb\_menu**

SET NAMES utf8;

SET time\_zone = '+00:00';

SET foreign\_key\_checks = 0;

SET sql\_mode = 'NO\_AUTO\_VALUE\_ON\_ZERO';

SET NAMES utf8mb4;

INSERT INTO `tb\_menu` (`id\_menu`, `nama\_menu`, `jenis`, `harga`) VALUES

('menu1', 'ayam goreng', 'makanan', 18000),

('menu2', 'nasi goreng', 'makanan', 15000),

('menu3', 'aqua', 'minuman', 4000),

('menu4', 'jus jeruk', 'minuman', 18000),

('menu5', 'kentang goreng', 'snack', 10000);

1. **Insert into tb\_pembeli**

SET NAMES utf8;

SET time\_zone = '+00:00';

SET foreign\_key\_checks = 0;

SET sql\_mode = 'NO\_AUTO\_VALUE\_ON\_ZERO';

SET NAMES utf8mb4;

INSERT INTO `tb\_pembeli` (`id\_pembeli`, `nama\_pembeli`, `alamat`, `jenis\_kelamin`, `tgl\_lahir`, `status`, `no\_telp`, `pekerjaan`) VALUES

('pembeli1', 'rhania', 'jalan sunggal ', 'perempuan', '0000-00-00', 'belum menikah', '08123456789', 'mahasiswa'),

('pembeli2', 'rivany', 'jalan tembung', 'perempuan', '2000-01-03', 'belum menikah', '08123456789', 'mahasiswa'),

('pembeli3', 'dimas', 'tebing tinggi', 'laki-laki', '2000-02-10', 'belum menikah', '08123456789', 'software developer'),

('pembeli4', 'cindy', 'jalan setiabudi medan', 'perempuan', '1998-01-03', 'belum menikah', '08123456789', 'software engineer'),

('pembeli5', 'dharmawan', 'jalan dr mansyur', 'laki-laki', '2000-10-23', 'belum menikah', '08123456789', 'bussiness intern');

1. **Insert into tb\_transaksi**

SET NAMES utf8;

SET time\_zone = '+00:00';

SET foreign\_key\_checks = 0;

SET sql\_mode = 'NO\_AUTO\_VALUE\_ON\_ZERO';

SET NAMES utf8mb4;

INSERT INTO `tb\_transaksi` (`id\_transaksi`, `id\_pembeli`, `id\_menu`, `id\_pegawai`, `tgl\_transaksi`) VALUES

('transaksi1', 'pembeli1', 'menu2', 'pegawai1', '2022-09-20'),

('transaksi2', 'pembeli3', 'menu4', 'pegawai2', '2022-10-20'),

('transaksi3', 'pembeli5', 'menu1', 'pegawai4', '2022-12-09'),

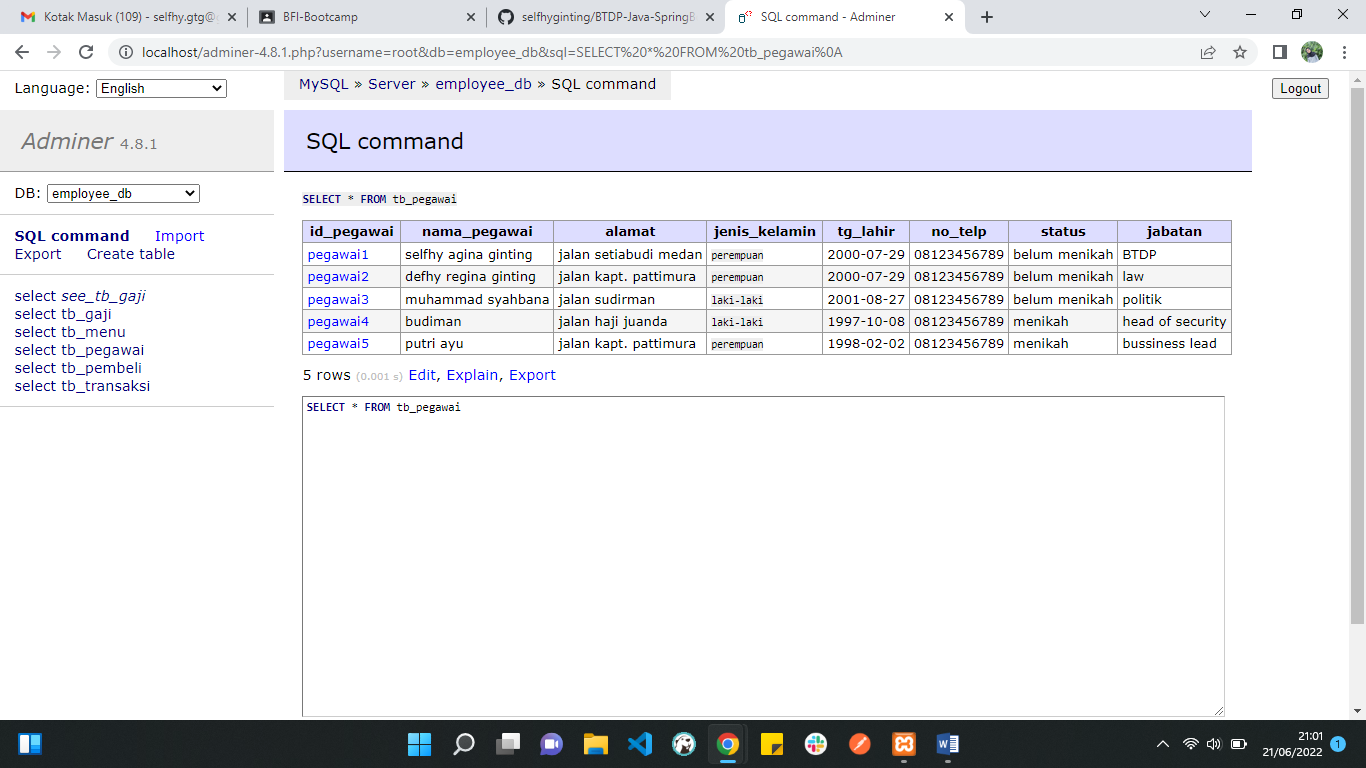
('transaksi4', 'pembeli5', 'menu5', 'pegawai5', '2022-10-20'),

('transaksi5', 'pembeli3', 'menu4', 'pegawai2', '2022-12-09');

Select

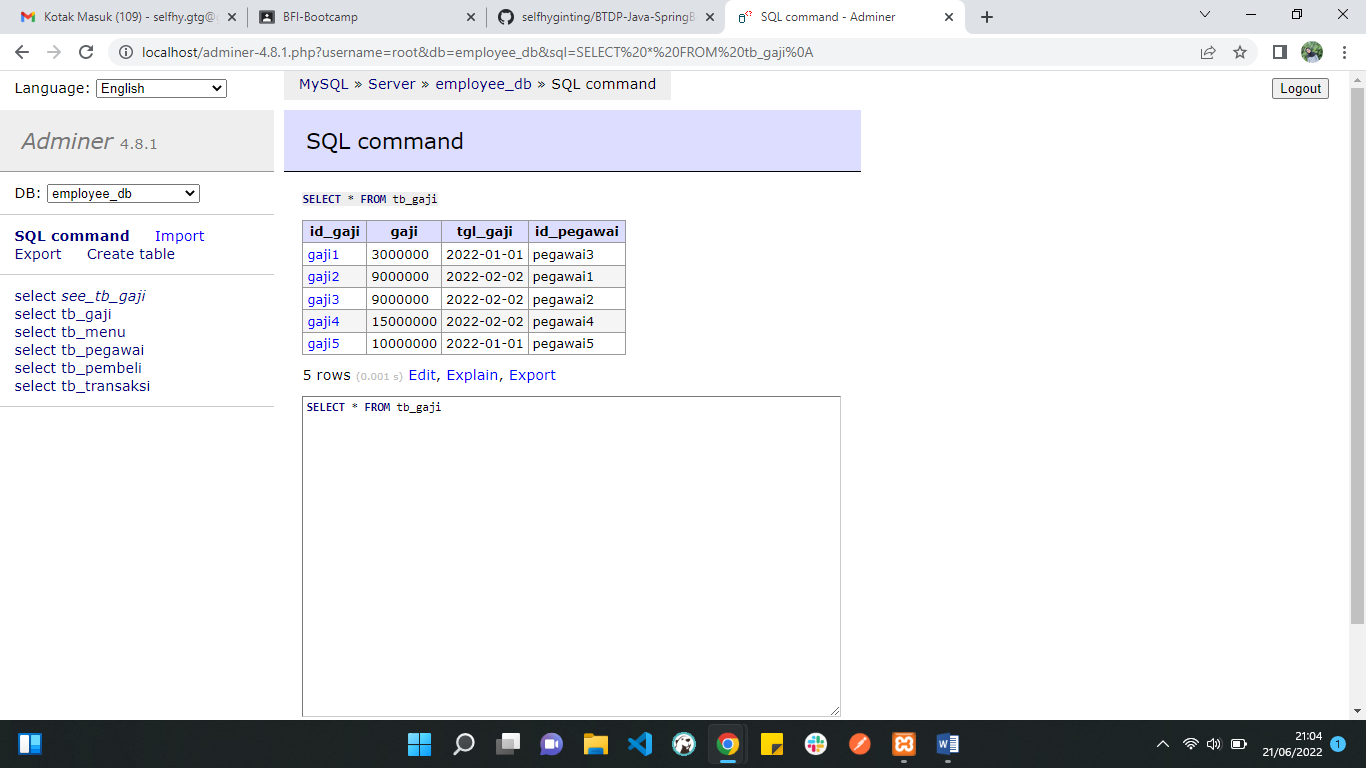
1. **Select all from tb\_pegawai**

SELECT \* FROM tb\_pegawai



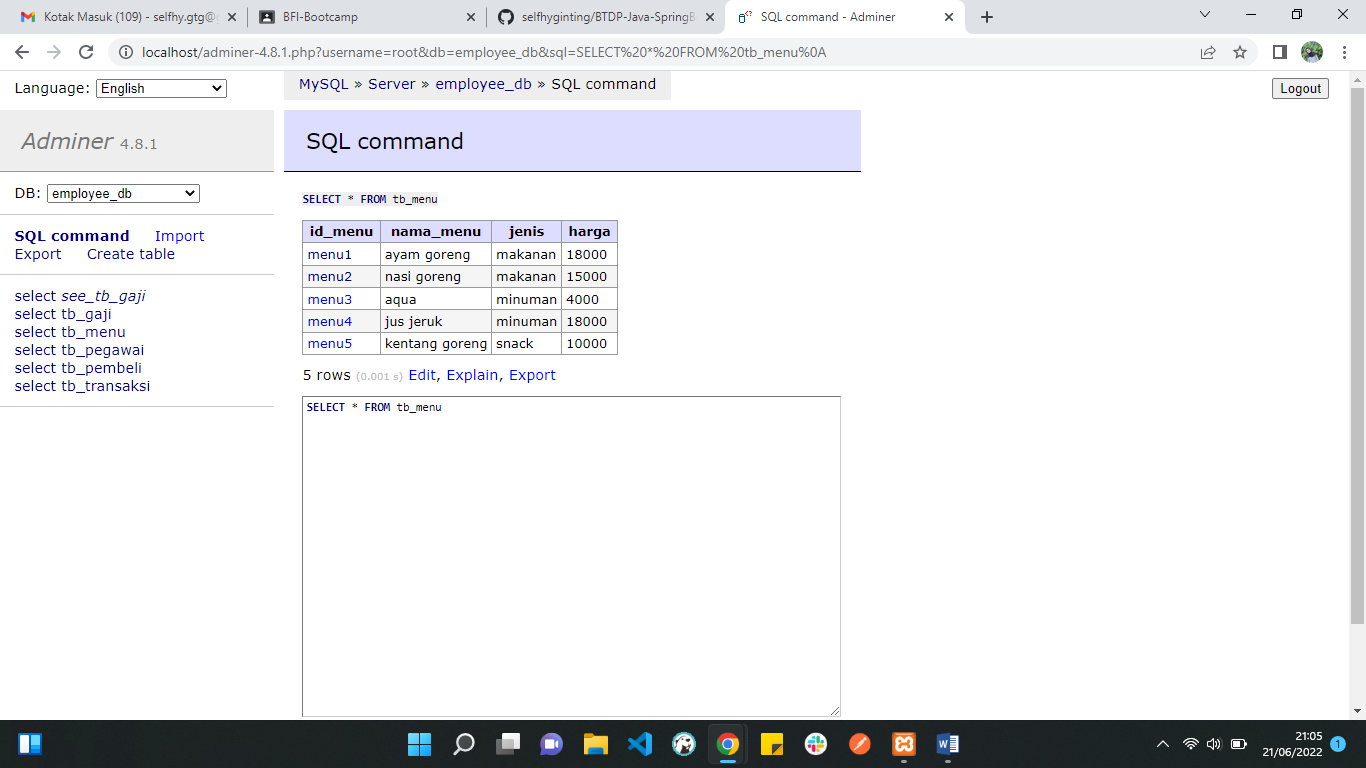
1. **Select all from tb\_gaji**

SELECT \* FROM tb\_gaji



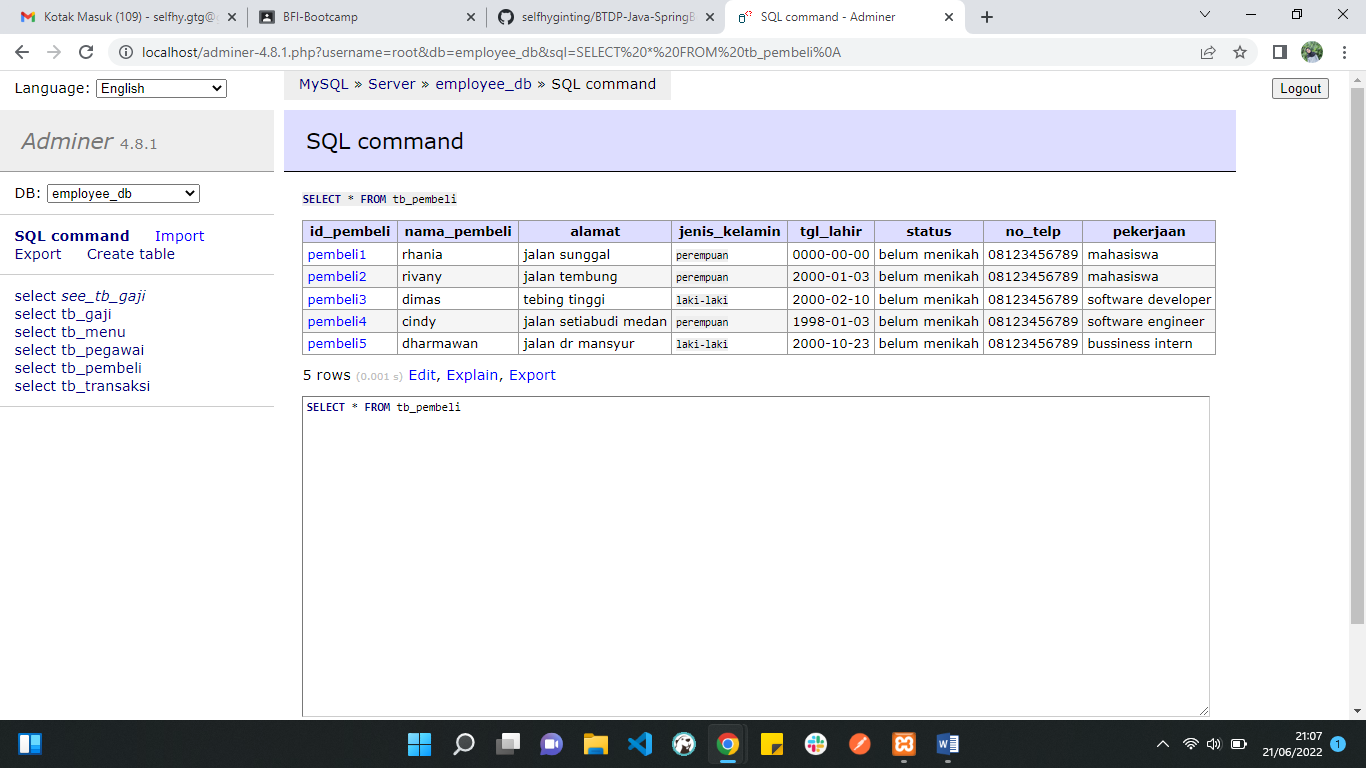
1. **Select all from tb\_menu**

SELECT \* FROM tb\_menu



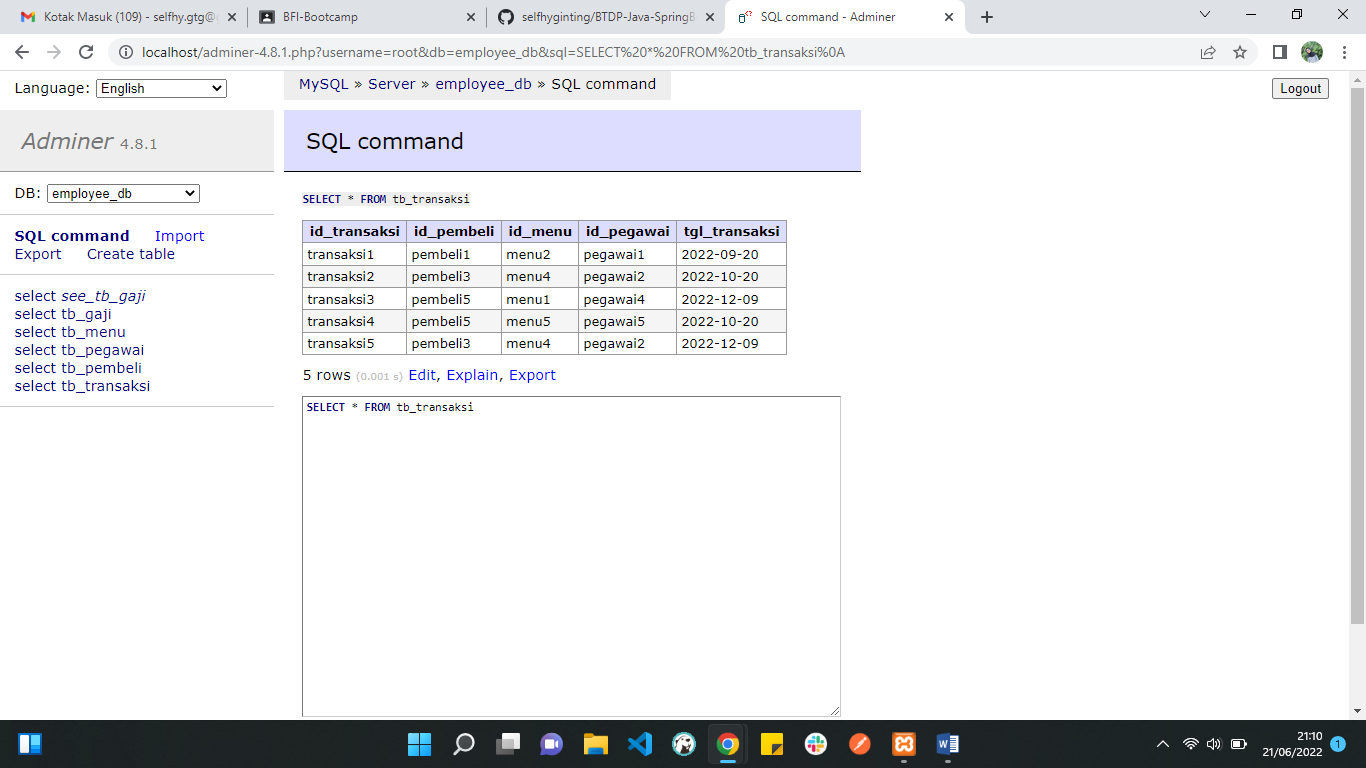
1. **Select all from tb\_pembeli**

SELECT \* FROM tb\_pembeli



1. **Select all from tb\_transaksi**

SELECT \* FROM tb\_transaksi



View

View Nama Pegawai, Jabatan, Gaji

CREATE VIEW view\_1 AS

SELECT tp.nama\_pegawai as Nama\_Pegawai, tp.jabatan as Jabatan, tg.gaji as Gaji  
FROM [tb\_pegawai](http://localhost/adminer-4.8.1.php?username=root&db=employee_db&table=tb_pegawai) tp   
JOIN [tb\_gaji](http://localhost/adminer-4.8.1.php?username=root&db=employee_db&table=tb_gaji) tg ON tp.id\_pegawai = tg.id\_pegawai;

Delete

**Delete 1 row transaksi**

[**DELETE**](https://mariadb.com/kb/en/library/delete/) FROM [tb\_transaksi](http://localhost/adminer-4.8.1.php?username=root&db=employee_db&table=tb_transaksi) WHERE id\_transaksi='transaksi5';