Proposal Tugas Besar

Pemrograman Berbasis Data

“Minimarket Devin”



Oleh:

Alvinda Amalia Rizkita (13011740340

Ferninda Maharani Kumala (1301174210)

Ria Della Salsabila (1301174254)

Kelas IF 41-01

LABORATORIUM INFORMATIKA

FAKULTAS TEKNIK INFORMATIKA

TELKOM UNIVERSITY

BANDUNG

BAB 1 PENDAHULUAN

* 1. Latar Belakang

Seiring dengan banyak nya kebutuhan ekonomi, jumlah konsumen akan semakin meningkat. Dengan adanya minimarket dalam kehidupan masyarakat, memiliki peran penting dalam memenuhi kebutuhan masyarakat. Adanya minimarket adalah cara alternatif dalam mengembangkan usaha. Dalam mengembangkan minimarket bukan lah hal yang sangat mudah.

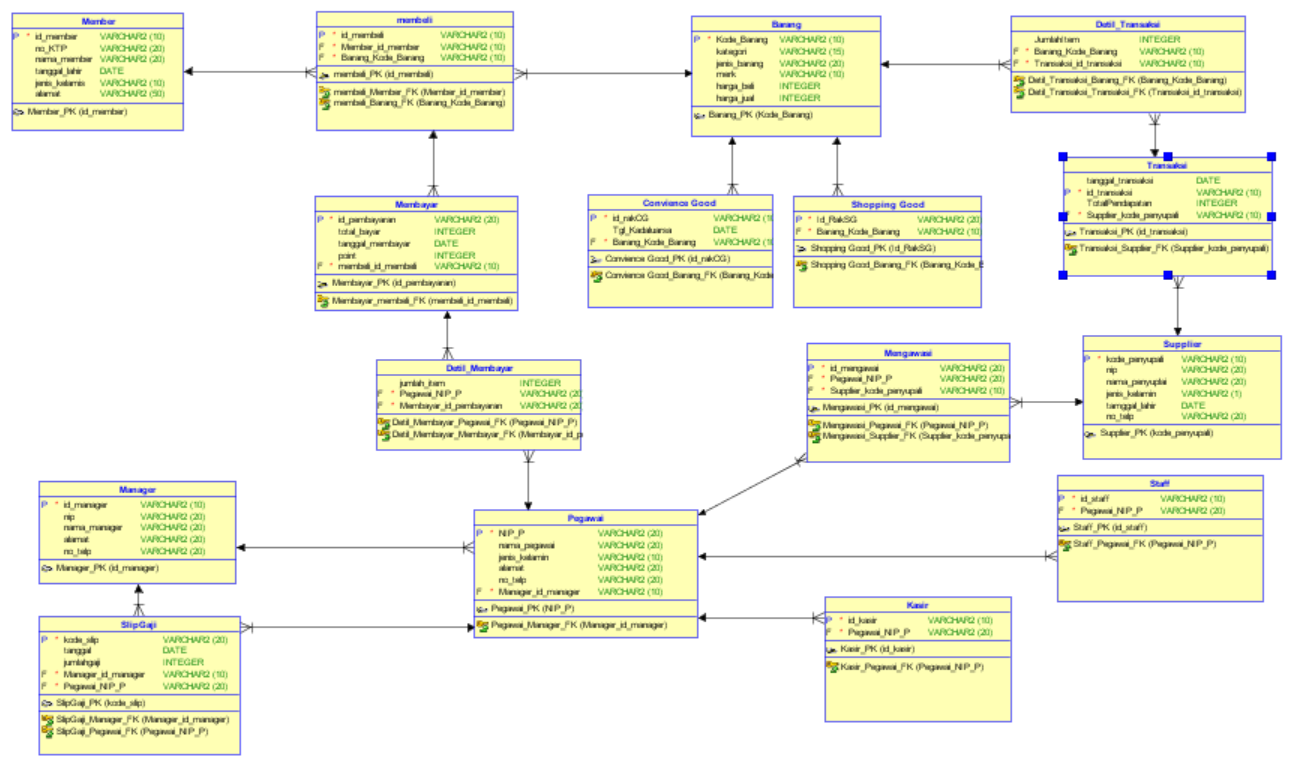
Permasalahan yang sering dihadapi dalam membuka minimarket yaitu menarik minat konsumen itu sendiri, belum lagi persaingan antara minimarket yag satu dengan yang lain alam hal keunggulan pada setiap minimarket. Selain itu konsumen juga memperhatikan dalam hal perbandingan harga, kualitas dan kuantitas produk juga pelayanan yang diberikan.

* 1. Rumusan masalah

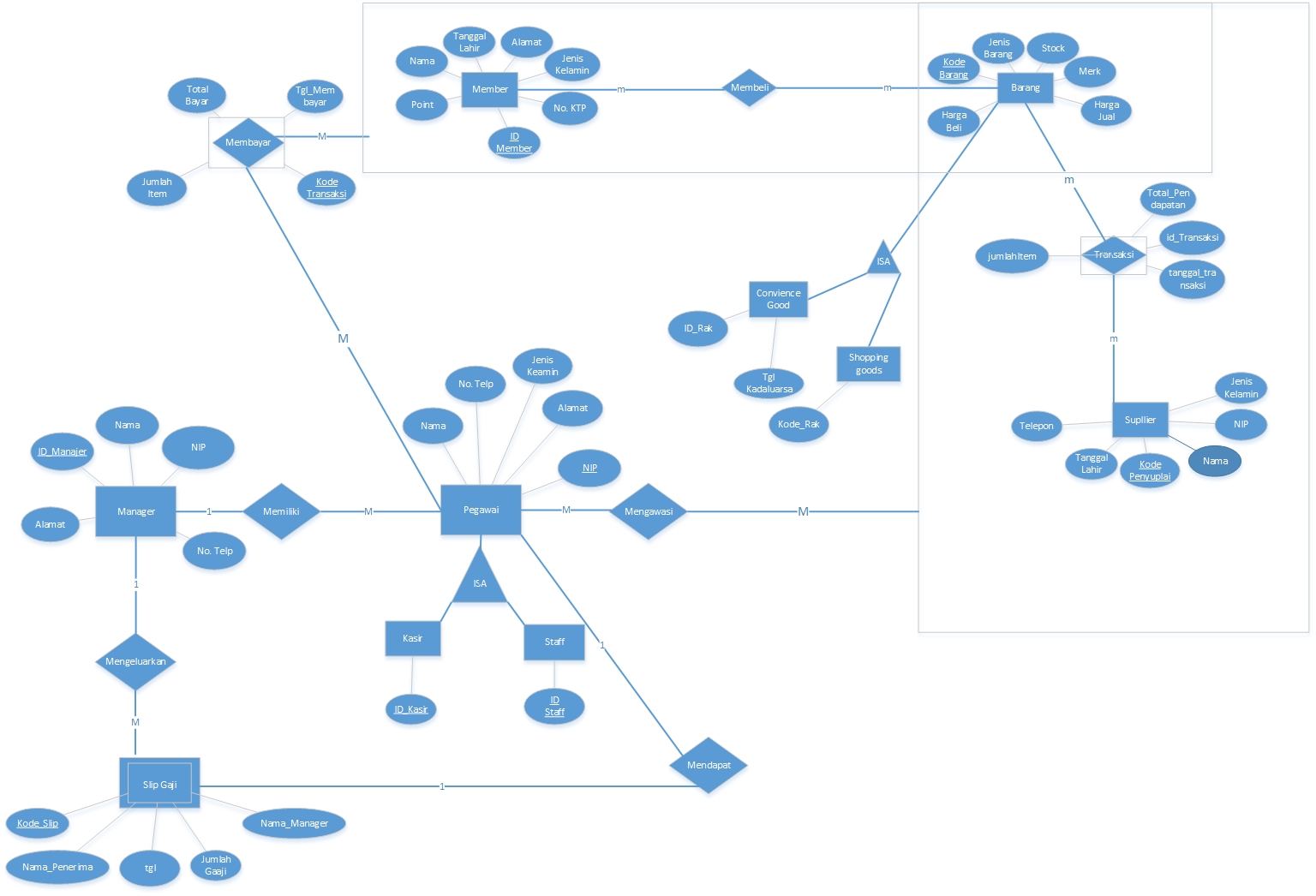
1. Bagaimana cara menarik minat konsumen untuk berbelanja?
2. Bagaimana cara melayani konsumen dala berbelanja?
3. Bagaimana cara mempromosikan suatu barang?
   1. Sasaran & Tujuan
4. Tempat membeli produk kebutuhan rumah tangga da pibadi
5. Tempat mencari informasi produk baru dan produk lama
6. Tempat menukar uang receh atau uang besar

BAB 2 RANCANGAN SISTEM

2.1 Skema Relasi



2.2 ERD



2.3 BUSSINESS CASE

Minimarket

Minimarket Devin, setiap harinya ramai di datangi pengunjung, banyak dari mereka yang menjadi member di Minimarket tersebut. Minimarket Devin memiliki banyak pegawai yang bertugas mengawasi pemasukkan barang barang di beberapa gudang di Minimarket tersebut. Produk di toko Devin dibagi menjadi beberapa jenis yaitu Shopping Good Product, product ini terdiri dari alat rumah tangga, baju, dan atk. Terdapat juga Convience Good Product, yang terdiri dari makanan, pasta gigi, baterai dll. Satu pelanggan dapat membeli banyak barang sesuai dengan kebutuhannya dan melakukan pembayaran di beberapa kasir. Seluruh barang yang dibeli akan dicatat dalam database, dan pembeli menerima nota pembelian. Devin berperan sebagai pengelola atas supermarketnya. Ia yang mengeluarkan slip gaji untuk para pegawainya setiap bulan.

Bussiness Rule:

1. Banyak Pembeli dapat mengambil banyak barang yang terbagi menjadi 2kategori yaitu Shopping Good Product, Convience Good
2. Beberapa Staff dapat mengawasi banyak supplier
3. Barang yang masuk disimpan kedalam gudang tertentu
4. Banyak Supplier yang dapat memasok beberapa barang sekaligus
5. Beberapa kasir dapat melakukan bayak transaksi dengan banyak pelanggan.
6. Setiap bulannya manager mengeluarkan slip gaji untuk para pegawainya.
7. Seorang pegawai hanya bisa mendapat 1 slip gaji.

2.4 DDL

CREATE TABLE Member (

id\_member VARCHAR2 (10) NOT NULL ENABLE,

no\_ktp VARCHAR2 (20),

nama\_member VARCHAR2(20),

tanggal\_lahir DATE,

alamat VARCHAR2 (50) ,

jenis\_kelamin VARCHAR(10),

CONSTRAINT MEMBER\_PK PRIMARY KEY (ID\_MEMBER) ENABLE

) ;

CREATE TABLE Barang (

kode\_barang VARCHAR2 (10) NOT NULL,

jenis\_barang VARCHAR (20),

merk VARCHAR2 (10),

stock NUMBER,

harga\_beli NUMBER,

harga\_jual NUMBER,

CONSTRAINT BARANG\_PK PRIMARY KEY (kode\_barang) ENABLE

);

CREATE TABLE MEMBELI (

id\_membeli VARCHAR (10) NOT NULL ENABLE,

kode\_barang VARCHAR2 (10),

id\_member VARCHAR2 (10),

CONSTRAINT MEMBELI\_PK PRIMARY KEY (id\_membeli) ENABLE,

CONSTRAINT KodeBarang\_FK FOREIGN KEY (kode\_barang)

REFERENCES BARANG (kode\_barang) ON DELETE CASCADE ENABLE,

CONSTRAINT MEMBER\_FK2 FOREIGN KEY (id\_member)

REFERENCES MEMBER (id\_member) ON DELETE CASCADE ENABLE

);

CREATE TABLE Supplier (

kode\_penyuplai VARCHAR2 (10) NOT NULL,

nip VARCHAR2 (20),

nama\_penyuplai VARCHAR2 (20),

jenis\_kelamin VARCHAR2 (1),

tanggal\_lahir DATE,

no\_telp VARCHAR2 (20),

CONSTRAINT KODEPENYUPLAI\_PK PMARY KEY (Kode\_Penyuplai) ENABLE

);

CREATE TABLE GUDANG (

id\_gudang VARCHAR2 (10) NOT NULL,

nama\_gudang VARCHAR2(20),

CONSTRAINT idGudang\_PK PRIMARY KEY (id\_gudang) ENABLE

);

CREATE TABLE TRANSAKSI (

id\_transaksi VARCHAR2 (10) NOT NULL,

Kode\_penyuplai VARCHAR2 (10),

id\_gudang VARCHAR2 (10),

tanggal\_transaksi DATE,

TotalPendapatan NUMBER,

CONSTRAINT idTransaksi\_PK PRIMARY KEY (id\_transaksi) ENABLE,

CONSTRAINT KodePenyuplai\_FK FOREIGN KEY (kode\_penyuplai)

REFERENCES SUPPLIER ON DELETE CASCADE ENABLE,

CONSTRAINT idGudang\_FK FOREIGN KEY (id\_gudang)

REFERENCES GUDANG ON DELETE CASCADE ENABLE

);

CREATE TABLE DETIL\_TRANSAKSI(

id\_transaksi VARCHAR2 (10),

kode\_barang VARCHAR2 (10),

jumlahItem NUMBER,

CONSTRAINT DETIL\_TRANSAKSI\_FK FOREIGN KEY (ID\_TRANSAKSI)

REFERENCES TRANSAKSI (ID\_TRANSAKSI) ON DELETE CASCADE ENABLE,

CONSTRAINT DETIL\_TRANSAKSI\_FK2 FOREIGN KEY (KODE\_BARANG)

REFERENCES BARANG (KODE\_BARANG) ON DELETE CASCADE ENABLE

);

CREATE TABLE Pegawai (

NIP\_P VARCHAR2 (20) NOT NULL,

id\_manager VARCHAR2 (10),

nama\_pegawai VARCHAR2 (20),

jenis\_kelamin VARCHAR2 (10),

alamat VARCHAR2 (20),

no\_telp VARCHAR2 (20),

CONSTRAINT Pegawai\_PK PRIMARY KEY (NIP\_P) ENABLE,

CONSTRAINT idManager\_FK FOREIGN KEY (id\_manager)

REFERENCES Manager (id\_manager) ON DELETE CASCADE ENABLE

);

CREATE TABLE MENGAWASI (

id\_pengawasan VARCHAR2 (20) NOT NULL,

id\_transaksi VARCHAR2 (10),

NIP\_P VARCHAR2 (20),

CONSTRAINT Pengawasan\_PK PRIMARY KEY (id\_pengawasan) ENABLE,

CONSTRAINT idTransaksi\_FK FOREIGN KEY (id\_transaksi)

REFERENCES TRANSAKSI ON DELETE CASCADE ENABLE,

CONSTRAINT NIP\_P\_FK FOREIGN KEY (NIP\_P)

REFERENCES PEGAWAI ON DELETE CASCADE ENABLE

);

CREATE TABLE MEMBAYAR (

id\_pembayaran VARCHAR2 (20) NOT NULL,

id\_membeli VARCHAR (10),

tanggal\_membayar DATE,

total\_bayar NUMBER,

point NUMBER,

CONSTRAINT idPembayaran\_PK PRIMARY KEY (id\_pembayaran) ENABLE,

CONSTRAINT idMembeli\_FK FOREIGN KEY (id\_membeli)

REFERENCES MEMBELI ON DELETE CASCADE ENABLE

);

CREATE TABLE DETIL\_MEMBAYAR (

id\_pembayaran VARCHAR2 (20),

NIP\_P VARCHAR2 (20),

jumlah\_item NUMBER,

CONSTRAINT idPembayaran\_FK FOREIGN KEY (id\_pembayaran)

REFERENCES MEMBAYAR ON DELETE CASCADE ENABLE,

CONSTRAINT NIP\_FK FOREIGN KEY (NIP\_P)

REFERENCES PEGAWAI ON DELETE CASCADE ENABLE

);

CREATE TABLE Manager (

id\_manager VARCHAR2 (10) NOT NULL,

nip VARCHAR2 (20),

nama\_manager VARCHAR2 (20),

alamat VARCHAR2 (20),

no\_telp VARCHAR2 (20),

CONSTRAINT idManager\_PK PRIMARY KEY (id\_manager) ENABLE

);

CREATE TABLE SlipGaji (

kode\_slip VARCHAR2 (20) NOT NULL,

NIP\_P VARCHAR (20),

id\_manager VARCHAR2 (10),

nama\_penerima VARCHAR2 (20),

tanggal DATE,

jumlah\_gaji NUMBER,

CONSTRAINT SlipGaji\_PK PRIMARY KEY (kode\_slip) ENABLE,

CONSTRAINT SlipGaji\_FK1 FOREIGN KEY (id\_manager)

REFERENCES MANAGER (id\_manager) on delete cascade ENABLE,

CONSTRAINT SlipGaji\_FK2 FOREIGN KEY (NIP\_P)

REFERENCES PEGAWAI (NIP\_P) on delete cascade ENABLE

);

alter session set nls\_date\_format= 'dd-mm-yyyy';

2.5 DML

INSERT INTO MEMBER VALUES('M001','00075002301','Della','20-02-1996','jl.sukapura 1','P');

INSERT INTO MEMBER VALUES('M002','00075002302','Ambar','11-05-1989','jl.sukabirus 2','P');

INSERT INTO MEMBER VALUES('M003','00075002303','Alvinda','02-07-1995','jl.sukabirus 3','P');

INSERT INTO MEMBER VALUES('M004','00075002304','Ferninda','14-04-1999','jl. Adhiyaksa 1','P');

INSERT INTO MEMBER VALUES('M005','00075002305','Gilda','17-08-1997','jl. lapten 1','P');

INSERT INTO MEMBER VALUES('M006','00075002306','Lula','13-09-1990','jl. Soeta','P');

INSERT INTO MEMBER VALUES('M007','00075002307','Gilang','20-12-1899','jl. BBC 1','L');

INSERT INTO MEMBER VALUES('M008','00075002308','Wira','15-11-1892','jl. mengger','L');

INSERT INTO MEMBER VALUES('M009','00075002309','Annas','02-10-1878','jl. mangga dua','L');

INSERT INTO MEMBER VALUES('M010','00075002310','Tama','15-10-1893','jl. Adhyaksa 2','L');

INSERT INTO MEMBER VALUES('M011','00075002311','Jaka','19-11-1895','Perum. Permata Buah Batu','L');

INSERT INTO MEMBER VALUES('M012','00075002312','Iday','18-09-1987','Ciganitri','L');

INSERT INTO MEMBER VALUES('M013','00075002313','Prana','23-01-1979','jl. mengger 3','L');

INSERT INTO MEMBER VALUES('M014','00075002314','Fandi','26-09-1971','jl. Umayyah','L');

INSERT INTO MEMBER VALUES('M015','00075002315','Fhadil','29-11-1895','Gang PGA','L');

INSERT INTO MEMBER VALUES('M016','00075002315','Novelly','01-01-1999','jl. mangga dua','P');

INSERT INTO MEMBER VALUES('M017','00075002315','Veshea','05-10-1997','jl. buahbatu','P');

INSERT INTO MEMBER VALUES('M018','00075002315','Aviani','25-08-1899','jl. lapten 2','P');

INSERT INTO MEMBER VALUES('M019','00075002315','Ary','19-02-1993','Gang PGA','L');

INSERT INTO MEMBER VALUES('M020','00075002315','Pras','24-11-1892','Gang ABC','L');

INSERT INTO BARANG VALUES('BRG001','FOOD','Snack','Oreo',2500,1000,2000);

INSERT INTO BARANG VALUES('BRG002','NON-FOOD','Sabun','Lux',600,2000,3500);

INSERT INTO BARANG VALUES('BRG003','NON-FOOD','Pasta Gigi','Pepsodent',500,10000,15000);

INSERT INTO BARANG VALUES('BRG004','NON-FOOD','Alat Cukur','Gillete',1000,4500,7000);

INSERT INTO BARANG VALUES('BRG005','FOOD','Minuman','Green Tea',500,2000,5000);

INSERT INTO BARANG VALUES('BRG006','NON-FOOD','Perkakas','Sapu','100',20000,30000);

INSERT INTO BARANG VALUES('BRG007','FOOD','Nugget','Belfood',200,15000,20000);

INSERT INTO BARANG VALUES('BRG008','FOOD','Sosis','Fiesta',250,18000,25000);

INSERT INTO BARANG VALUES('BRG009','FOOD','Snack','Chitato',1250,5000,9000);

INSERT INTO BARANG VALUES('BRG010','NON-FOOD','Detergen','Rinso',600,14000,22000);

INSERT INTO BARANG VALUES('BRG011','NON-FOOD','Mainan','Hot Wheels',500,15000,29000);

INSERT INTO BARANG VALUES('BRG012','FOOD','Roti','BreadLlife',100,2000,3500);

INSERT INTO BARANG VALUES('BRG013','FOOD','Sosis','So Nice',200,20000,30000);

INSERT INTO BARANG VALUES('BRG014','FOOD','Biskuit','Nissin',70,7000,10000);

INSERT INTO BARANG VALUES('BRG015','FOOD','Wafer','Tango',100,9000,14000);

INSERT INTO BARANG VALUES('BRG016','NON-FOOD','Masker Wajah','Olay',300,2000,5000);

INSERT INTO BARANG VALUES('BRG017','NON-FOOD','Sabun','Lifebouy',400,20000,31000);

INSERT INTO BARANG VALUES('BRG018','NON-FOOD','Shampoo','Tresemme',200,30000,40000);

INSERT INTO BARANG VALUES('BRG019','FOOD','Minuman','Oolong Tea',200,3000,7000);

INSERT INTO BARANG VALUES('BRG020','FOOD','Roti','Sari Roti',70,4000,5000);

INSERT INTO MEMBELI VALUES('MBL001','BRG001','M002');

INSERT INTO MEMBELI VALUES('MBL002','BRG003','M003');

INSERT INTO MEMBELI VALUES('MBL003','BRG004','M009');

INSERT INTO MEMBELI VALUES('MBL004','BRG004','M010');

INSERT INTO MEMBELI VALUES('MBL005','BRG003','M009');

INSERT INTO MEMBELI VALUES('MBL006','BRG011','M001');

INSERT INTO MEMBELI VALUES('MBL007','BRG012','M005');

INSERT INTO MEMBELI VALUES('MBL008','BRG019','M007');

INSERT INTO MEMBELI VALUES('MBL009','BRG020','M002');

INSERT INTO MEMBELI VALUES('MBL010','BRG020','M017');

INSERT INTO MEMBELI VALUES('MBL011','BRG001','M018');

INSERT INTO MEMBELI VALUES('MBL012','BRG003','M008');

INSERT INTO MEMBELI VALUES('MBL013','BRG005','M020');

INSERT INTO MEMBELI VALUES('MBL014','BRG007','M016');

INSERT INTO MEMBELI VALUES('MBL015','BRG008','M018');

INSERT INTO MEMBELI VALUES('MBL016','BRG008','M008');

INSERT INTO MEMBELI VALUES('MBL017','BRG010','M007');

INSERT INTO MEMBELI VALUES('MBL018','BRG011','M014');

INSERT INTO MEMBELI VALUES('MBL019','BRG019','M013');

INSERT INTO MEMBELI VALUES('MBL020','BRG018','M017');

INSERT INTO SUPPLIER VALUES('SPL001','190900001','Agus','L','12-02-1980','081340920901');

INSERT INTO SUPPLIER VALUES('SPL002','190900002','Sita','P','19-10-1984','081340921254');

INSERT INTO SUPPLIER VALUES('SPL003','190900003','Iqbal','L','21-09-1989','081340920987');

INSERT INTO SUPPLIER VALUES('SPL004','190900004','Juki','L','13-10-1990','081340920721');

INSERT INTO SUPPLIER VALUES('SPL005','190900005','Fachri','L','15-11-1991','081340925789');

INSERT INTO SUPPLIER VALUES('SPL006','190900006','Annisa','P','20-10-1993','081340920938');

INSERT INTO SUPPLIER VALUES('SPL007','190900007','Reyhan','L','11-03-1989','081340921938');

INSERT INTO SUPPLIER VALUES('SPL008','190900008','Yoranda','P','21-11-1982','081340921254');

INSERT INTO SUPPLIER VALUES('SPL009','190900009','Kiki','L','23-08-1987','081340928032');

INSERT INTO SUPPLIER VALUES('SPL010','190900010','Fila','P','10-02-1989','081340925762');

INSERT INTO SUPPLIER VALUES('SPL011','190900011','Ijat','L','15-04-1993','081340929810');

INSERT INTO SUPPLIER VALUES('SPL012','190900012','Dikka','L','28-07-1990','081340924209');

INSERT INTO SUPPLIER VALUES('SPL013','190900013','Farid','L','23-07-1991','081340926410');

INSERT INTO SUPPLIER VALUES('SPL014','190900014','Reza','L','21-11-1980','081340921938');

INSERT INTO SUPPLIER VALUES('SPL015','190900015','Dhea','P','24-01-1979','081340921930');

INSERT INTO SUPPLIER VALUES('SPL016','190900016','Khansa','P','14-12-1983','081340922183');

INSERT INTO SUPPLIER VALUES('SPL017','190900017','Boy','L','19-11-1991','081340924353');

INSERT INTO SUPPLIER VALUES('SPL018','190900018','Adhi','L','01-05-1996','081340924892');

INSERT INTO SUPPLIER VALUES('SPL019','190900019','Sindy','P','16-04-1980','081340920293');

INSERT INTO SUPPLIER VALUES('SPL020','190900020','Saleh','L','19-08-1987','081340922093');

INSERT INTO MANAGER VALUES('MNG0001','23909876','Devin','Jl.Soeta','081323338999');

INSERT INTO PEGAWAI VALUES('3401901','MNG0001','Mince','L','Desa Sukalenyap','081234094738');

INSERT INTO PEGAWAI VALUES('3401902','MNG0001','Aldi','L','Sukabirus Street','081234603918');

INSERT INTO PEGAWAI VALUES('3401903','MNG0001','Rena','P','Jl. Sukapura','081234098376');

INSERT INTO PEGAWAI VALUES('3401904','MNG0001','Annisa','P','Palasari street','081234123456');

INSERT INTO PEGAWAI VALUES('3401905','MNG0001','Michael','L','Jl.menteng','081234234567');

INSERT INTO PEGAWAI VALUES('3401906','MNG0001','Anji','L','Jl.Kenangan 2','081234345678');

INSERT INTO PEGAWAI VALUES('3401907','MNG0001','Ery','P','Jl.Terlupakan','081234456789');

INSERT INTO PEGAWAI VALUES('3401908','MNG0001','Dino','L','Jl.Sukapura 2','081234567891');

INSERT INTO PEGAWAI VALUES('3401909','MNG0001','Faras','L','Jl.raya soeka','081234789234');

INSERT INTO PEGAWAI VALUES('3401910','MNG0001','Said','L','Jl. PGA 2','081234182930');

INSERT INTO PEGAWAI VALUES('3401911','MNG0001','Lia','P','Jl. Ummayah','081234567483');

INSERT INTO PEGAWAI VALUES('3401912','MNG0001','Dini','P','Jl. radio','081234128765');

INSERT INTO PEGAWAI VALUES('3401913','MNG0001','Rita','P','Jl. soeta 2','081234567123');

INSERT INTO PEGAWAI VALUES('3401914','MNG0001','Fawaz','L','Jl. delima 2','081234098765');

INSERT INTO PEGAWAI VALUES('3401915','MNG0001','Riko','L','Jl. Apel fuji','081234125623');

INSERT INTO PEGAWAI VALUES('3401916','MNG0001','Imran','L','Jl. Anggrek 5','081234456123');

INSERT INTO PEGAWAI VALUES('3401917','MNG0001','Ikhsan','P','Jl. Adonis 2','081234098237');

INSERT INTO PEGAWAI VALUES('3401918','MNG0001','Lisa','P','Jl. Mawar 2','081234678123');

INSERT INTO PEGAWAI VALUES('3401919','MNG0001','Ricky','L','Jl. Melati 1','081234789093');

INSERT INTO PEGAWAI VALUES('3401920','MNG0001','Andini','P','Jl. Sukareus','081234179167');

INSERT INTO SlipGaji VALUES('SLGJ0001','3401901','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0002','3401901','MNG0001','27-02-2017',1750000);

INSERT INTO SlipGaji VALUES('SLGJ0003','3401902','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0004','3401908','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0005','3401909','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0006','3401911','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0007','3401907','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0008','3401909','MNG0001','27-02-2017',1750000);

INSERT INTO SlipGaji VALUES('SLGJ0009','3401909','MNG0001','27-03-2017',1800000);

INSERT INTO SlipGaji VALUES('SLGJ0010','3401902','MNG0001','27-02-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0011','3401903','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0012','3401904','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0013','3401917','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0014','3401916','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0015','3401915','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0016','3401916','MNG0001','27-02-2017',1750000);

INSERT INTO SlipGaji VALUES('SLGJ0017','3401917','MNG0001','27-02-2017',1750000);

INSERT INTO SlipGaji VALUES('SLGJ0018','3401919','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0019','3401918','MNG0001','27-01-2017',1500000);

INSERT INTO SlipGaji VALUES('SLGJ0020','3401920','MNG0001','27-01-2017',1500000);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0001','BRG002',200);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0002','BRG003',100);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0003','BRG006',20);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0004','BRG001',700);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0005','BRG016',70);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0006','BRG010',200);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0007','BRG018',100);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0008','BRG009',1000);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0009','BRG005',200);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0010','BRG011',250);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0011','BRG012',20);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0012','BRG013',100);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0013','BRG008',300);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0014','BRG014',30);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0015','BRG004',500);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0016','BRG017',200);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0017','BRG015',50);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0018','BRG007',200);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0019','BRG019',100);

INSERT INTO DETIL\_TRANSAKSI VALUES('TRX0020','BRG020',20);

INSERT INTO TRANSAKSI VALUES('TRX0001','SPL005','10-02-2017',400000);

INSERT INTO TRANSAKSI VALUES('TRX0002','SPL006','15-02-2017',1000000);

INSERT INTO TRANSAKSI VALUES('TRX0003','SPL001','21-03-2017',400000);

INSERT INTO TRANSAKSI VALUES('TRX0004','SPL002','10-03-2017',700000);

INSERT INTO TRANSAKSI VALUES('TRX0005','SPL012','15-03-2017',140000);

INSERT INTO TRANSAKSI VALUES('TRX0006','SPL010','23-03-2017',2800000);

INSERT INTO TRANSAKSI VALUES('TRX0007','SPL015','09-04-2017',3000000);

INSERT INTO TRANSAKSI VALUES('TRX0008','SPL007','11-04-2017',5000000);

INSERT INTO TRANSAKSI VALUES('TRX0009','SPL001','21-04-2017',400000);

INSERT INTO TRANSAKSI VALUES('TRX0010','SPL013','25-04-2017',3750000);

INSERT INTO TRANSAKSI VALUES('TRX0011','SPL011','11-05-2017',40000);

INSERT INTO TRANSAKSI VALUES('TRX0012','SPL015','21-05-2017',2000000);

INSERT INTO TRANSAKSI VALUES('TRX0013','SPL010','22-05-2017',5400000);

INSERT INTO TRANSAKSI VALUES('TRX0014','SPL002','30-15-2017',210000);

INSERT INTO TRANSAKSI VALUES('TRX0015','SPL009','02-06-2017',2250000);

INSERT INTO TRANSAKSI VALUES('TRX0016','SPL013','08-07-2017',4000000);

INSERT INTO TRANSAKSI VALUES('TRX0017','SPL015','12-08-2017',450000);

INSERT INTO TRANSAKSI VALUES('TRX0018','SPL017','19-08-2017',3000000);

INSERT INTO TRANSAKSI VALUES('TRX0019','SPL003','20-10-2017',300000);

INSERT INTO TRANSAKSI VALUES('TRX0020','SPL020','25-12-2017',80000);

INSERT INTO MENGAWASI VALUES('PGWSN001','TRX0001','3401905');

INSERT INTO MENGAWASI VALUES('PGWSN002','TRX0002','3401906');

INSERT INTO MENGAWASI VALUES('PGWSN003','TRX0003','3401908');

INSERT INTO MENGAWASI VALUES('PGWSN004','TRX0004','3401910');

INSERT INTO MENGAWASI VALUES('PGWSN005','TRX0005','3401909');

INSERT INTO MENGAWASI VALUES('PGWSN006','TRX0006','3401907');

INSERT INTO MENGAWASI VALUES('PGWSN007','TRX0007','3401911');

INSERT INTO MENGAWASI VALUES('PGWSN008','TRX0008','3401912');

INSERT INTO MENGAWASI VALUES('PGWSN009','TRX0009','3401914');

INSERT INTO MENGAWASI VALUES('PGWSN010','TRX0010','3401915');

INSERT INTO MENGAWASI VALUES('PGWSN011','TRX0011','3401913');

INSERT INTO MENGAWASI VALUES('PGWSN012','TRX0012','3401905');

INSERT INTO MENGAWASI VALUES('PGWSN013','TRX0013','3401906');

INSERT INTO MENGAWASI VALUES('PGWSN014','TRX0014','3401909');

INSERT INTO MENGAWASI VALUES('PGWSN015','TRX0015','3401908');

INSERT INTO MENGAWASI VALUES('PGWSN016','TRX0016','3401910');

INSERT INTO MENGAWASI VALUES('PGWSN017','TRX0017','3401907');

INSERT INTO MENGAWASI VALUES('PGWSN018','TRX0018','3401912');

INSERT INTO MENGAWASI VALUES('PGWSN019','TRX0019','3401913');

INSERT INTO MENGAWASI VALUES('PGWSN020','TRX0020','3401914');

INSERT INTO MEMBAYAR VALUES('PMBYR001','MBL002','10-02-2017',500000,50);

INSERT INTO MEMBAYAR VALUES('PMBYR002','MBL003','15-02-2017',420000,42);

INSERT INTO MEMBAYAR VALUES('PMBYR003','MBL004','21-02-2017',320000,32);

INSERT INTO MEMBAYAR VALUES('PMBYR004','MBL002','10-03-2017',780000,78);

INSERT INTO MEMBAYAR VALUES('PMBYR005','MBL014','15-03-2017',1000000,100);

INSERT INTO MEMBAYAR VALUES('PMBYR006','MBL005','23-04-2017',120000,12);

INSERT INTO MEMBAYAR VALUES('PMBYR007','MBL002','09-04-2017',500000,50);

INSERT INTO MEMBAYAR VALUES('PMBYR008','MBL001','11-05-2017',300000,30);

INSERT INTO MEMBAYAR VALUES('PMBYR009','MBL014','21-05-2017',800000,80);

INSERT INTO MEMBAYAR VALUES('PMBYR010','MBL005','25-05-2017',375000,37);

INSERT INTO MEMBAYAR VALUES('PMBYR011','MBL010','11-05-2017',98000,9);

INSERT INTO MEMBAYAR VALUES('PMBYR012','MBL011','21-06-2017',200000,20);

INSERT INTO MEMBAYAR VALUES('PMBYR013','MBL018','22-07-2017',560000,56);

INSERT INTO MEMBAYAR VALUES('PMBYR014','MBL013','30-08-2017',220000,22);

INSERT INTO MEMBAYAR VALUES('PMBYR015','MBL016','02-09-2017',230000,23);

INSERT INTO MEMBAYAR VALUES('PMBYR016','MBL017','08-09-2017',578000,57);

INSERT INTO MEMBAYAR VALUES('PMBYR017','MBL018','12-09-2017',91000,9);

INSERT INTO MEMBAYAR VALUES('PMBYR018','MBL019','19-09-2017',450000,45);

INSERT INTO MEMBAYAR VALUES('PMBYR019','MBL020','20-10-2017',78000,7);

INSERT INTO MEMBAYAR VALUES('PMBYR020','MBL006','25-10-2017',12000,1);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR001','3401901',9);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR002','3401903',10);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR003','3401904',2);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR004','3401902',7);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR005','3401916',9);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR006','3401918',2);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR007','3401919',9);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR008','3401920',10);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR009','3401903',8);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR010','3401902',5);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR011','3401901',8);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR012','3401904',4);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR013','3401917',5);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR014','3401904',7);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR015','3401903',9);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR016','3401901',12);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR017','3401917',7);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR018','3401908',3);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR019','3401901',8);

INSERT INTO DETIL\_MEMBAYAR VALUES('PMBYR020','3401903',4);2.6

2.6 QUERY

1. Menampilkan Nama\_Member, ID\_Pembayaran, dan Total point pelanggan yang lebih dari 50

select member.nama\_member, membayar.id\_pembayaran, SUM(POINT) "POINT"

FROM MEMBER

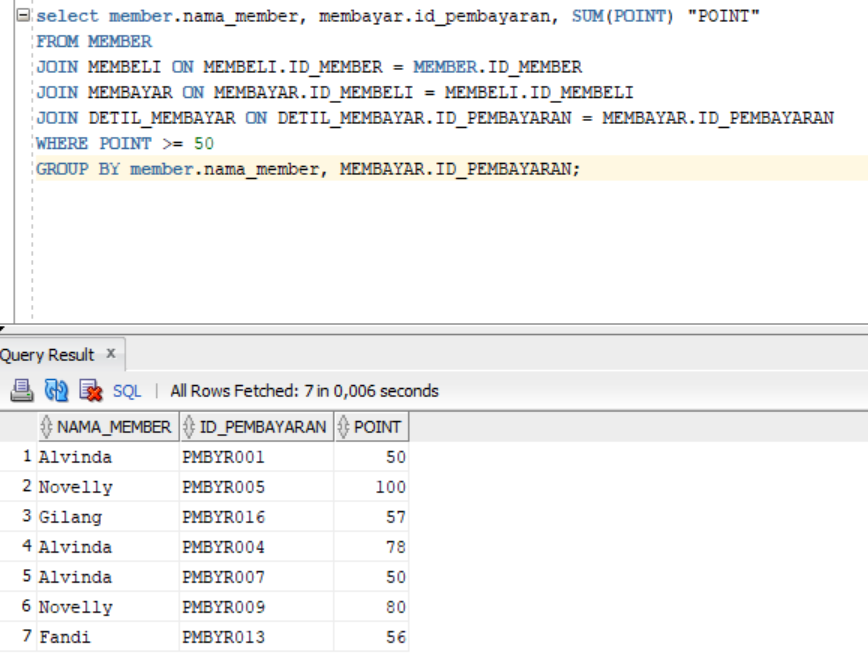
JOIN MEMBELI ON MEMBELI.ID\_MEMBER = MEMBER.ID\_MEMBER

JOIN MEMBAYAR ON MEMBAYAR.ID\_MEMBELI = MEMBELI.ID\_MEMBELI

JOIN DETIL\_MEMBAYAR ON DETIL\_MEMBAYAR.ID\_PEMBAYARAN = MEMBAYAR.ID\_PEMBAYARAN

WHERE POINT >= 50

GROUP BY member.nama\_member, MEMBAYAR.ID\_PEMBAYARAN;



1. Menampilkan Nama Supplier, Kode Supplier, dan Total Pendapatannya dari penyuplaian di Minimarket Devin

select SUPPLIER.NAMA\_PENYUPLAI, SUPPLIER.KODE\_PENYUPLAI, SUM(TRANSAKSI.TOTALPENGELUARAN) AS PENDAPATAN\_SUPPLIER

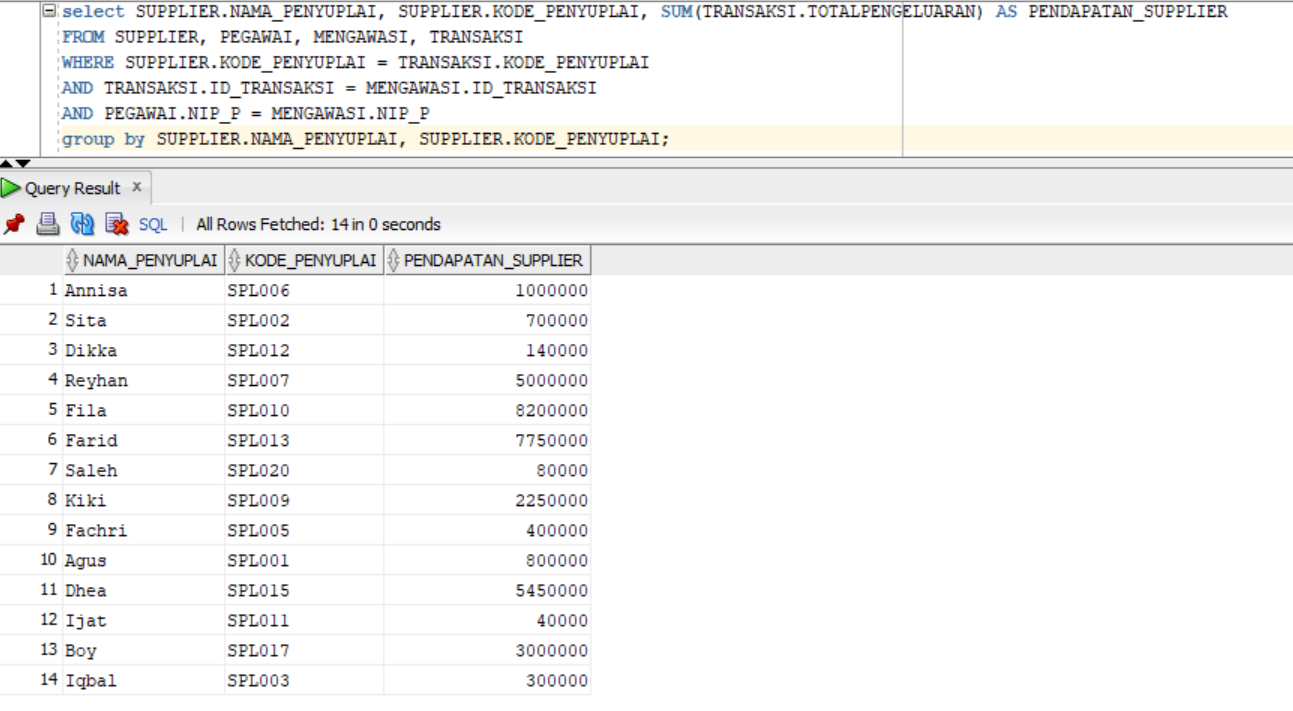
FROM SUPPLIER, PEGAWAI, MENGAWASI, TRANSAKSI

WHERE SUPPLIER.KODE\_PENYUPLAI = TRANSAKSI.KODE\_PENYUPLAI

AND TRANSAKSI.ID\_TRANSAKSI = MENGAWASI.ID\_TRANSAKSI

AND PEGAWAI.NIP\_P = MENGAWASI.NIP\_P

group by SUPPLIER.NAMA\_PENYUPLAI, SUPPLIER.KODE\_PENYUPLAI;



1. Menampilkan, Id Member, nama member yang paling boros, dan total pengeluaran dari transaksi yang dilakukan.

select \* from

(select round(sum(mm.total\_bayar)) "Total Bayar", mb.id\_member "ID Member", m.nama\_member

from membayar mm, membeli mb, member m

where mm.id\_membeli = mb.id\_membeli

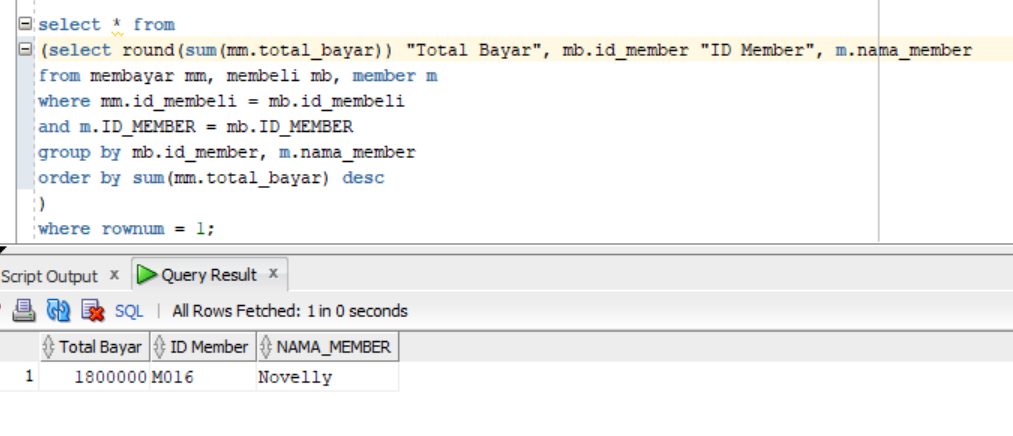
and m.ID\_MEMBER = mb.ID\_MEMBER

group by mb.id\_member, m.nama\_member

order by sum(mm.total\_bayar) desc

)

where rownum = 1;



1. Menampilkan nama kasir, nip, nama member yang dilayani pada suatu tanggal.

select NAMA\_PEGAWAI "NAMA KASIR", NIP\_P, NAMA\_MEMBER, TANGGAL\_MEMBAYAR

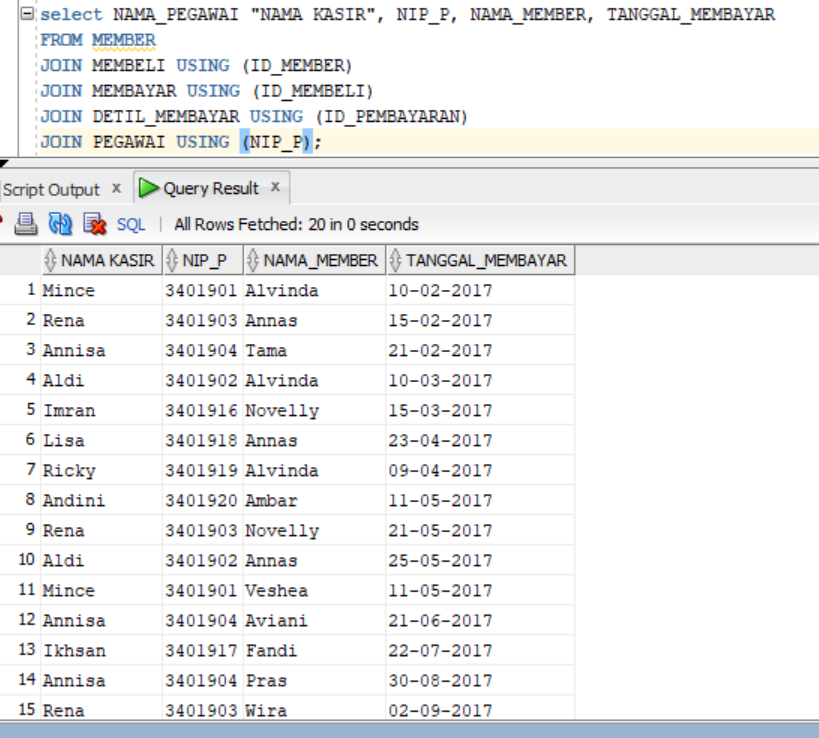
FROM MEMBER

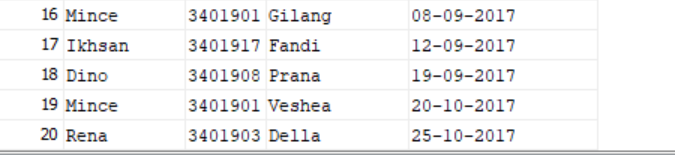
JOIN MEMBELI USING (ID\_MEMBER)

JOIN MEMBAYAR USING (ID\_MEMBELI)

JOIN DETIL\_MEMBAYAR USING (ID\_PEMBAYARAN)

JOIN PEGAWAI USING (NIP\_P);





1. Menampilkan umur member

select nama\_member, jenis\_kelamin, alamat, ceil((sysdate-tanggal\_lahir)/365) as UMUR

From member

where ceil((sysdate-tanggal\_lahir)/365)<100;

