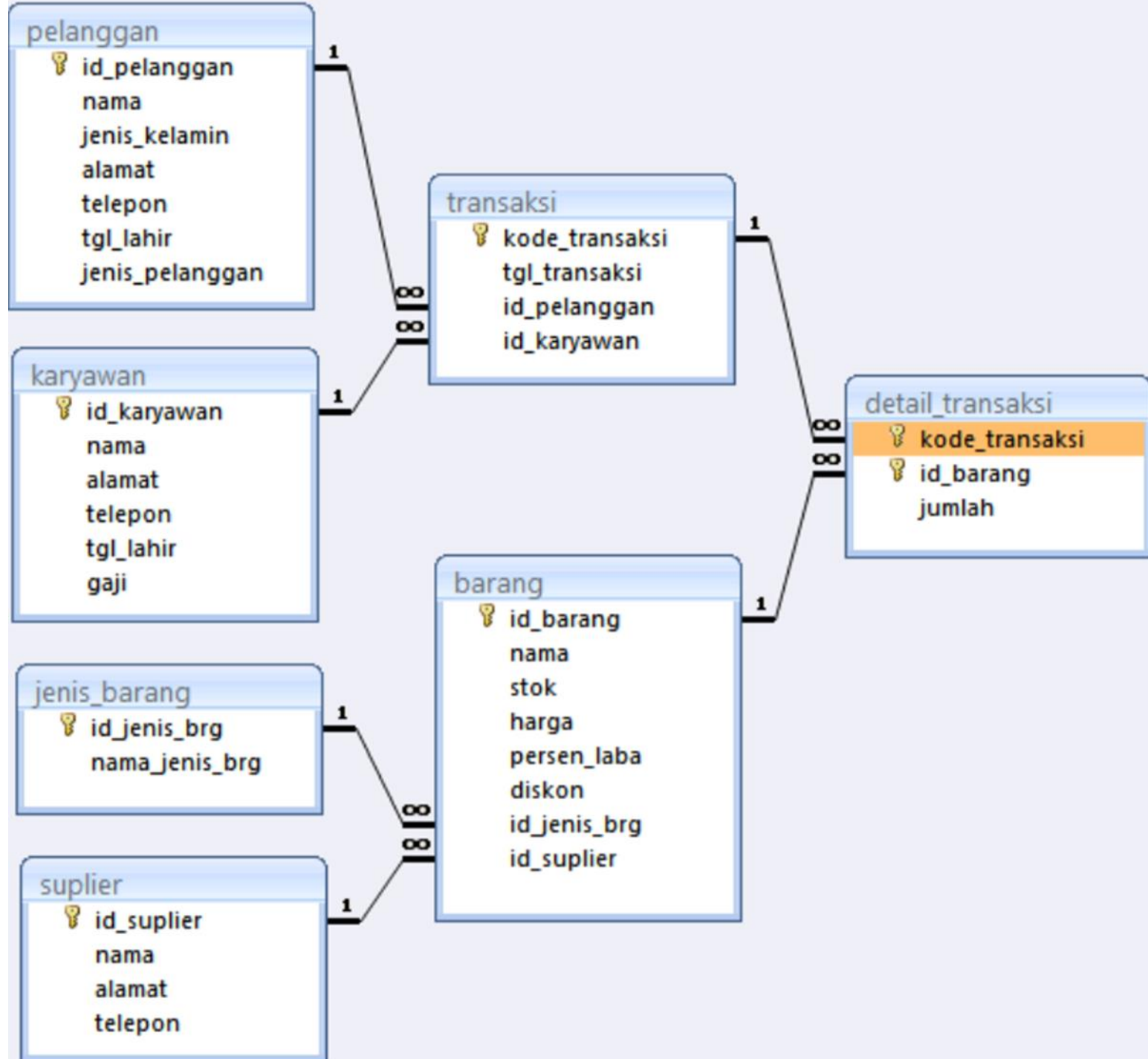


CREATE DATABASE

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```
CREATE DATABASE penjualan;
```

```
USE penjualan;
```

```

CREATE TABLE pelanggan (
    id_pelanggan char(4) NOT NULL,
    nama varchar(25) NOT NULL,
    jenis_kelamin char(1) DEFAULT NULL,
    alamat varchar(50) NOT NULL,
    telepon char(12) DEFAULT NULL,
    tgl_lahir date NOT NULL,
    jenis_pelanggan enum('S','G') NOT NULL,
    PRIMARY KEY (id_pelanggan)
);

```

Column Name	Data Type	Length	Default	PK?	Not Null?
id_pelanggan	char	4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
nama	varchar	25		<input type="checkbox"/>	<input checked="" type="checkbox"/>
jenis_kelamin	char	1		<input type="checkbox"/>	<input type="checkbox"/>
alamat	varchar	50		<input type="checkbox"/>	<input checked="" type="checkbox"/>
telepon	char	12		<input type="checkbox"/>	<input type="checkbox"/>
tgl_lahir	date			<input type="checkbox"/>	<input checked="" type="checkbox"/>
jenis_pelanggan	enum	'S','G'		<input type="checkbox"/>	<input checked="" type="checkbox"/>

```

CREATE TABLE karyawan (
    id_karyawan char(4) NOT NULL,
    nama varchar(25) NOT NULL,
    alamat varchar(50) NOT NULL,
    telepon char(12) DEFAULT NULL,
    tgl_lahir date NOT NULL,
    gaji decimal(10,0) NOT NULL,
    PRIMARY KEY (id_karyawan)
);

```

Column Name	Data Type	Length	Default	PK?	Not Null?
id_karyawan	char	4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
nama	varchar	25		<input type="checkbox"/>	<input checked="" type="checkbox"/>
alamat	varchar	50		<input type="checkbox"/>	<input checked="" type="checkbox"/>
telepon	char	12		<input type="checkbox"/>	<input type="checkbox"/>
tgl_lahir	date			<input type="checkbox"/>	<input checked="" type="checkbox"/>
gaji	decimal	10,0		<input type="checkbox"/>	<input checked="" type="checkbox"/>

```
CREATE TABLE jenis_barang (  
    id_jenis_brg char(4) NOT NULL,  
    nama_jenis_brg varbinary(20) NOT NULL,  
    PRIMARY KEY (id_jenis_brg)  
);
```

Column Name	Data Type	Length	Default	PK?	Not Null?
id_jenis_brg	char	4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
nama_jenis_brg	varbinary	20		<input type="checkbox"/>	<input checked="" type="checkbox"/>

```

CREATE TABLE suplier (
  id_suplier char(4) NOT NULL,
  nama varchar(25) NOT NULL,
  alamat varchar(50) NOT NULL,
  telepon char(12) DEFAULT NULL,
  PRIMARY KEY (id_suplier)
);

```

Column Name	Data Type	Length	Default	PK?	Not Null?
id_suplier	char	4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
nama	varchar	25		<input type="checkbox"/>	<input checked="" type="checkbox"/>
alamat	varchar	50		<input type="checkbox"/>	<input checked="" type="checkbox"/>
telepon	char	12		<input type="checkbox"/>	<input type="checkbox"/>

```

CREATE TABLE transaksi (
  kode_transaksi char(4) NOT NULL,
  tgl_transaksi date NOT NULL,
  id_pelanggan char(4) DEFAULT NULL,
  id_karyawan char(4) NOT NULL,
  PRIMARY KEY (kode_transaksi),
  KEY fk_pelanggan_transaksi (id_pelanggan),
  KEY fk_karyawan_transaksi (id_karyawan),
  CONSTRAINT fk_karyawan_transaksi FOREIGN KEY (id_karyawan) REFERENCES karyawan (id_karyawan),
  CONSTRAINT fk_pelanggan_transaksi FOREIGN KEY (id_pelanggan) REFERENCES pelanggan (id_pelanggan)
);

```

Column Name	Data Type	Length	Default	PK?	Not Null?
kode_transaksi	char	4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
tgl_transaksi	date			<input type="checkbox"/>	<input checked="" type="checkbox"/>
id_pelanggan	char	4		<input type="checkbox"/>	<input type="checkbox"/>
id_karyawan	char	4		<input type="checkbox"/>	<input checked="" type="checkbox"/>


```

CREATE TABLE barang (
  id_barang char(4) NOT NULL,
  nama varchar(25) NOT NULL,
  stok int(11) NOT NULL,
  harga decimal(10,0) NOT NULL,
  persen_laba decimal(10,0) DEFAULT NULL,
  diskon decimal(10,0) DEFAULT NULL,
  id_jenis_brg char(4) NOT NULL,
  id_suplier char(4) DEFAULT NULL,
  PRIMARY KEY (id_barang),
  KEY fk_jenis_barang_barang (id_jenis_brg),
  KEY fk_suplier_barang (id_suplier),
  CONSTRAINT fk_jenis_barang_barang FOREIGN KEY (id_jenis_brg) REFERENCES jenis_barang (id_jenis_brg),
  CONSTRAINT fk_suplier_barang FOREIGN KEY (id_suplier) REFERENCES suplier (id_suplier)
);

```

Column Name	Data Type	Length	Default	PK?	Not Null?
id_barang	char	4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
nama	varchar	25		<input type="checkbox"/>	<input checked="" type="checkbox"/>
stok	int	11		<input type="checkbox"/>	<input checked="" type="checkbox"/>
harga	decimal	10,0		<input type="checkbox"/>	<input checked="" type="checkbox"/>
persen_laba	decimal	10,0		<input type="checkbox"/>	<input type="checkbox"/>
diskon	decimal	10,0		<input type="checkbox"/>	<input type="checkbox"/>
id_jenis_brg	char	4		<input type="checkbox"/>	<input checked="" type="checkbox"/>
id_suplier	char	4		<input type="checkbox"/>	<input type="checkbox"/>

```

CREATE TABLE detail_transaksi (
  kode_transaksi char(4) DEFAULT NULL,
  id_barang char(4) DEFAULT NULL,
  jumlah int(11) DEFAULT NULL,
  KEY fk_transaksi_detail_transaksi (kode_transaksi),
  KEY fk_barang_detail_transaksi (id_barang),
  CONSTRAINT fk_barang_detail_transaksi FOREIGN KEY (id_barang) REFERENCES barang (id_barang),
  CONSTRAINT fk_transaksi_detail_transaksi FOREIGN KEY (kode_transaksi) REFERENCES transaksi (kode_transaksi)
);

```

Column Name	Data Type	Length	Default	PK?	Not Null?
kode_transaksi	char	4		<input type="checkbox"/>	<input type="checkbox"/>
id_barang	char	4		<input type="checkbox"/>	<input type="checkbox"/>
jumlah	int	11		<input type="checkbox"/>	<input type="checkbox"/>



INSERT

```

insert into pelanggan(id_pelanggan,nama,jenis_kelamin,alamat,telepon,tgl_lahir,jenis_pelanggan) values
('P001','Tyas','P','Jl. Resimuka Barat III No. 8','08574292929','1987-02-01','S'),
('P002','Riyanto','P','Jl. Denpasar','08123456789','1987-06-04','S'),
('P003','apa','P','Jl. Sulawesi','08132123456','1986-05-04','S'),
('P009','Andi Ikhsan','P','Jl. Makasar 13','08164228112','1969-07-19','G'),
('P011','Debimpri','P','Jl. Balikpapan No.8','0858732620','1975-03-11','G'),
('P012','Hardiansyah','P','Jl. Bondowoso No.95','0817465011','1970-12-08','G'),
('P013','Ibrahim','P','Jl. Kacer 2 No.19','0818909846','1974-06-05','S'),
('P014','Gatot','W','Jl. Bukit Menoreh No.66',NULL,'1984-10-02','S'),
('P015','Adita Putri','W','Jl. Giri Loka 3 No.28','08164622383','1988-02-02','S');

```

id_pelanggan	nama	jenis_kelamin	alamat	telepon	tgl_lahir	jenis_pelanggan
P001	Tyas	P	Jl. Resimuka Barat III No. 8	08574292929	1987-02-01	S
P002	Riyanto	P	Jl. Denpasar	08123456789	1987-06-04	S
P003	apa	P	Jl. Sulawesi	08132123456	1986-05-04	S
P009	Andi Ikhsan	P	Jl. Makasar 13	08164228112	1969-07-19	G
P011	Debimpri	P	Jl. Balikpapan No.8	0858732620	1975-03-11	G
P012	Hardiansyah	P	Jl. Bondowoso No.95	0817465011	1970-12-08	G
P013	Ibrahim	P	Jl. Kacer 2 No.19	0818909846	1974-06-05	S
P014	Gatot	W	Jl. Bukit Menoreh No.66	(NULL)	1984-10-02	S
P015	Adita Putri	W	Jl. Giri Loka 3 No.28	08164622383	1988-02-02	S

```

insert into karyawan(id_karyawan,nama,alamat,telepon,tgl_lahir,gaji) values
('K001','Anton','Jl. Borobudur No.97','0897654321','1987-04-08',2000000),
('K002','Rudi','Jl. Prambanan No.78','08123456789','1984-08-06',3000000),
('K003','Rina','Jl. Nusa Indah','08976543323','1985-09-12',1000000),
('K004','Joko','Jl. Lely','08654388022','1986-07-12',900000),
('K005','Raditya','Jl. Lingkar','08573639485','1984-06-16',6000000);

```

id_karyawan	nama	alamat	telepon	tgl_lahir	gaji
K001	Anton	Jl. Borobudur No.97	0897654321	1987-04-08	2000000
K002	Rudi	Jl. Prambanan No.78	08123456789	1984-08-06	3000000
K003	Rina	Jl. Nusa Indah	08976543323	1985-09-12	1000000
K004	Joko	Jl. Lely	08654388022	1986-07-12	900000
K005	Raditya	Jl. Lingkar	08573639485	1984-06-16	6000000

```
insert into jenis_barang(id_jenis_brg,nama_jenis_brg) values
('1','Makanan'),
('2','Peralatan'),
('3','Alat Tulis'),
('6','Bola');
```

id_jenis_brg	nama_jenis_brg
1	Makanan
2	Peralatan
3	Alat Tulis
6	Bola

```
insert into supplier(id_supplier,nama,alamat,telepon) values  
('S001','Pungkas Mandiri','Jl. Nusa Indah No. 288','08987654321'),  
('S002','Dapur Ngepul','Jl. Dapurmu No. 666','08123456789'),  
('S003','Patmo','Jl. Raya No. 23','09876543211'),  
('S004','Sumber Makmur','Jl. Kedamaian No. 17','08765432246');
```

id_supplier	nama	alamat	telepon
S001	Pungkas Mandiri	Jl. Nusa Indah No. 288	08987654321
S002	Dapur Ngepul	Jl. Dapurmu No. 666	08123456789
S003	Patmo	Jl. Raya No. 23	09876543211
S004	Sumber Makmur	Jl. Kedamaian No. 17	08765432246

```
insert into transaksi(kode_transaksi,tgl_transaksi,id_pelanggan,id_karyawan) values
('T001','2014-06-07','P001','K001'),
('T002','2014-09-08','P002','K001'),
('T003','2014-06-23','P015','K002'),
('T004','2014-06-09','P001','K002'),
('T005','2014-09-07',NULL,'K001');
```

kode_transaksi	tgl_transaksi	id_pelanggan	id_karyawan
T001	2014-06-07	P001	K001
T002	2014-09-08	P002	K001
T003	2014-06-23	P015	K002
T004	2014-06-09	P001	K002
T005	2014-09-07	(NULL)	K001


```

insert into barang(id_barang,nama,stok,harga,persen_laba,diskon,id_jenis_brg,id_suplier) values
('B001','Wafer Tango',104,318,5,3,'1','S001'),
('B002','Wafer Nissin',54,2760,6,3,'1','S002'),
('B003','Ember',150,1747,5,0,'2','S001'),
('B004','Payung',59,11644,6,0,'2','S002'),
('B005','Mangkok',45,3432430,8,0,'2','S003'),
('B006','Payung',56,765,8,0,'2','S001'),
('B007','Chiki',34,1500,5,3,'2',NULL),
('B008','Pulpen',50,2000,1,1,'3',NULL);

```

id_barang	nama	stok	harga	persen_laba	diskon	id_jenis_brg	id_suplier
B001	Wafer Tango	104	318	5	3	1	S001
B002	Wafer Nissin	54	2760	6	3	1	S002
B003	Ember	150	1747	5	0	2	S001
B004	Payung	59	11644	6	0	2	S002
B005	Mangkok	45	3432430	8	0	2	S003
B006	Payung	56	765	8	0	2	S001
B007	Chiki	34	1500	5	3	2	(NULL)
B008	Pulpen	50	2000	1	1	3	(NULL)

```
insert into detail_transaksi(kode_transaksi,id_barang,jumlah) values  
( 'T001' , 'B001' , 2) ,  
( 'T001' , 'B002' , 3) ,  
( 'T001' , 'B003' , 4) ,  
( 'T002' , 'B002' , 7) ,  
( 'T002' , 'B003' , 4) ,  
( 'T003' , 'B001' , 3) ,  
( 'T003' , 'B004' , 4) ,  
( 'T004' , 'B001' , 4) ,  
( 'T004' , 'B004' , 5) ;
```

kode_transaksi	id_barang	jumlah
T001	B001	2
T001	B002	3
T001	B003	4
T002	B002	7
T002	B003	4
T003	B001	3
T003	B004	4
T004	B001	4
T004	B004	5