

design bank database with at least 3 entities and relationships between them. draw suitable er/er diagram for the system and create table with primary key and foreign key constraints.
a. alter table with add n modify b. drop table

```
create table customer (  
    customer_id int primary key,  
    name varchar(255),  
    address varchar(255)  
);
```

```
insert into customer (customer_id, name, address) values  
(1, 'john doe', '123 main st'),  
(2, 'jane smith', '456 elm st'),  
(3, 'alice johnson', '789 oak st');
```

```
create table account (  
    account_id int primary key,  
    balance decimal(10,2),  
    customer_id int,  
    foreign key (customer_id) references customer(customer_id)  
);
```

```
insert into account (account_id, balance, customer_id) values  
(101, 1000.00, 1),  
(102, 500.00, 2),  
(103, 2000.00, 3);
```

```
create table transaction (  
    transaction_id int primary key,  
    amount decimal(10,2),  
    date date,  
    account_id int,  
    foreign key (account_id) references account(account_id)  
);
```

```
insert into transaction (transaction_id, amount, date, account_id) values  
(201, 100.00, '2024-05-01', 101),  
(202, 50.00, '2024-05-02', 102),  
(203, -200.00, '2024-05-03', 103),  
(204, 300.00, '2024-05-04', 101),  
(205, -100.00, '2024-05-05', 103);
```