

```

CREATE TABLE account(
    account_id          INT NOT NULL,
    account_number      VARCHAR(40) NOT NULL,
    iban                VARCHAR(40) NOT NULL,
    currency            VARCHAR(40) NOT NULL,
    account_type        VARCHAR(40) NOT NULL,
    PRIMARY KEY (account_id)
);

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CREATE TABLE product(
    product_id INT NOT NULL,
    product_type VARCHAR(40),
    PRIMARY KEY (product_id)
);

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CREATE TABLE role(
    role_id INT NOT NULL,
    role_name VARCHAR(40) NOT NULL,
    PRIMARY KEY (role_id)
);

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CREATE TABLE address(
    address_id          INT NOT NULL,
    city                VARCHAR(40) NOT NULL,
    street              VARCHAR(40) NOT NULL,
    house_number        INT NOT NULL,
    zip_code            VARCHAR(40) NOT NULL,
    PRIMARY KEY (address_id)
);

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CREATE TABLE location(
    location_id INT NOT NULL,
    address_id INT NOT NULL,
    location VARCHAR(40) NOT NULL,
    PRIMARY KEY (location_id),
    FOREIGN KEY (address_id)
    REFERENCES address(address_id)
);

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CREATE TABLE bank_branch(
    bank_branch_id INT NOT NULL,
    location_id INT UNIQUE NOT NULL,
    bank_branch_name VARCHAR (40) NOT NULL,
    PRIMARY KEY (bank_branch_id),
    FOREIGN KEY (location_id)
    REFERENCES location (location_id)
);

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CREATE TABLE user(
    user_id INT NOT NULL,
    bank_branch_id INT NOT NULL,
    /*account_id INT NOT NULL,
    role_id INT NOT NULL,*/

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        first_name      VARCHAR(40) NOT NULL,
        second_name     VARCHAR(40) NOT NULL,
        mail             VARCHAR(40) NOT NULL,
PRIMARY KEY (user_id),
        FOREIGN KEY (bank_branch_id)
REFERENCES bank_branch (bank_branch_id)
/*FOREIGN KEY (account_id)
REFERENCES account (account_id),
FOREIGN KEY (role_id)
REFERENCES role (role_id)*/
);

```

```

CREATE TABLE card(
        card_id          INT NOT NULL,
        user_id INT NOT NULL,
        card_type         VARCHAR(40) NOT NULL,
        card_number       VARCHAR(40) NOT NULL,
        expiration_date   DATE NOT NULL,
PRIMARY KEY (card_id),
        FOREIGN KEY (user_id)
REFERENCES user (user_id)
);

```

```

CREATE TABLE user_has_account(
        user_id INT NOT NULL,
        account_id INT NOT NULL,
PRIMARY KEY (user_id, account_id),
        FOREIGN KEY (user_id)
REFERENCES user (user_id),
        FOREIGN KEY (account_id)
REFERENCES account (account_id)
);

```

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CREATE TABLE user_has_product(
        user_id INT NOT NULL,
        product_id INT NOT NULL,
PRIMARY KEY (user_id, product_id),
        FOREIGN KEY (user_id)
REFERENCES user (user_id),
        FOREIGN KEY (product_id)
REFERENCES product (product_id)
);

```

```

CREATE TABLE user_has_role(
        user_id INT NOT NULL,
        role_id INT NOT NULL,
        start_date DATE NOT NULL,
        FOREIGN KEY (user_id)
REFERENCES user (user_id),
        FOREIGN KEY (role_id)
REFERENCES role (role_id)
);

```

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CREATE TABLE user_has_address(

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        user_id INT NOT NULL,  
        address_id INT NOT NULL,  
PRIMARY KEY (user_id, address_id),  
        FOREIGN KEY (user_id)  
REFERENCES user (user_id),  
        FOREIGN KEY (address_id)  
REFERENCES address (address_id)  
);
```