Assignment -2 Report submitted
for Database Management System (UEC716)
by

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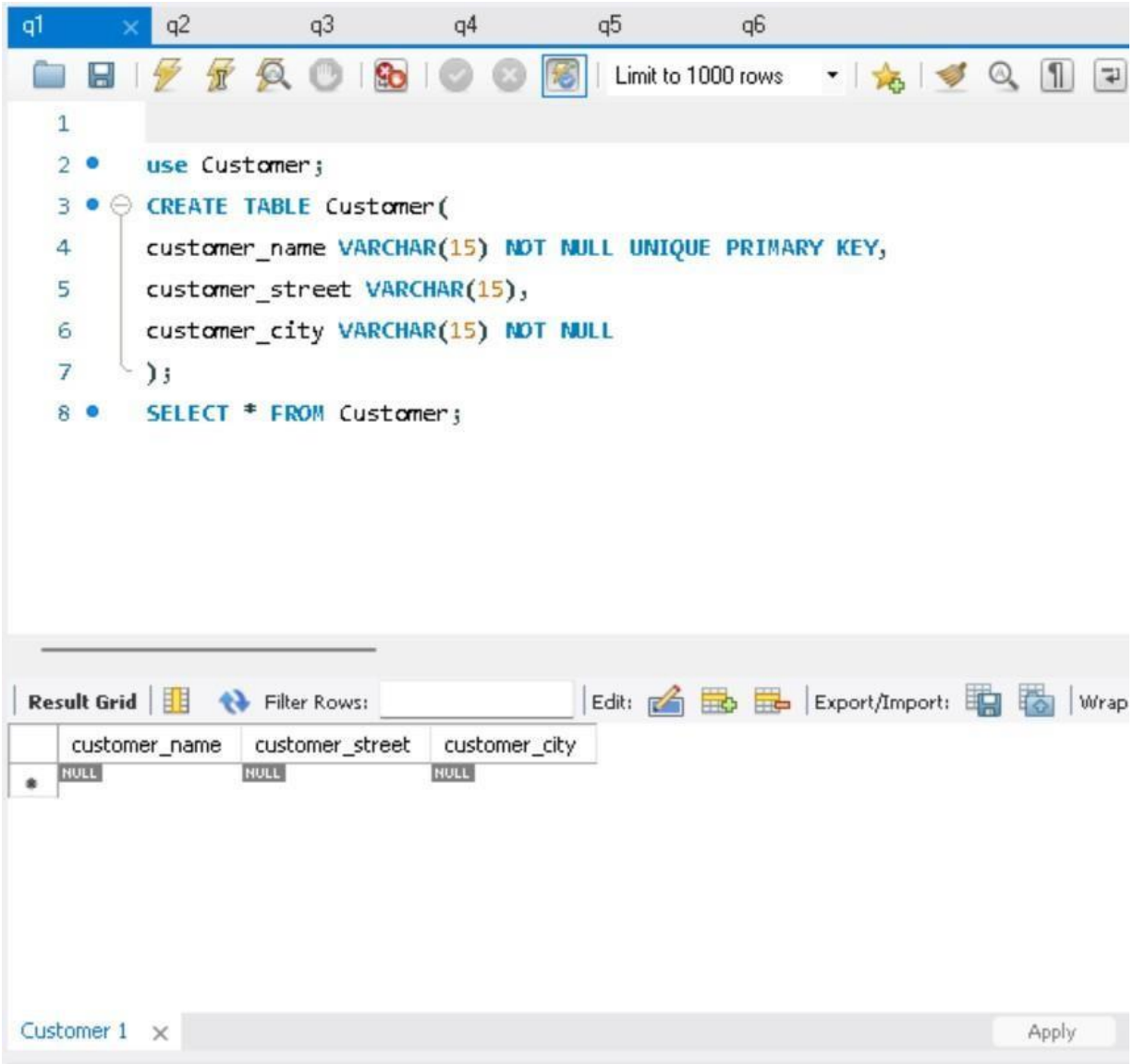
ASSIGNMENT-2

QUESTION 1: Create customer table based on the given information.

CODE:

```
CREATE TABLE Customer(
customer_name VARCHAR(15) NOT NULL UNIQUE PRIMARY KEY,
customer_street VARCHAR(15),
customer_city VARCHAR(15) NOT NULL
);
```

OUTPUT:

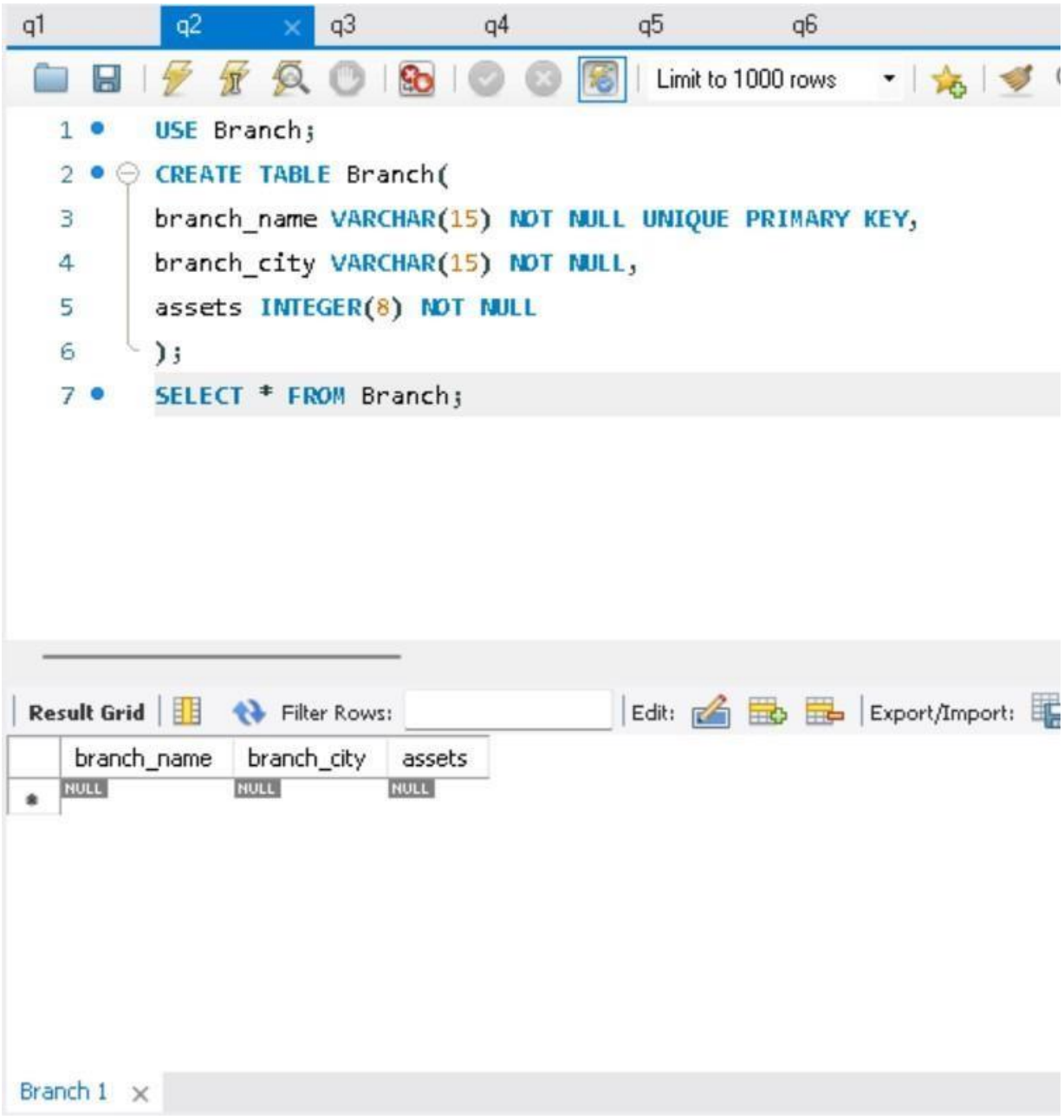


QUESTION 2: Create branch table based on the given information.

CODE:

```
CREATE TABLE Branch(
branch_name VARCHAR(15) NOT NULL UNIQUE PRIMARY KEY,
branch_city VARCHAR(15) NOT NULL,
assets INTEGER(8) NOT NULL
);
```

OUTPUT:

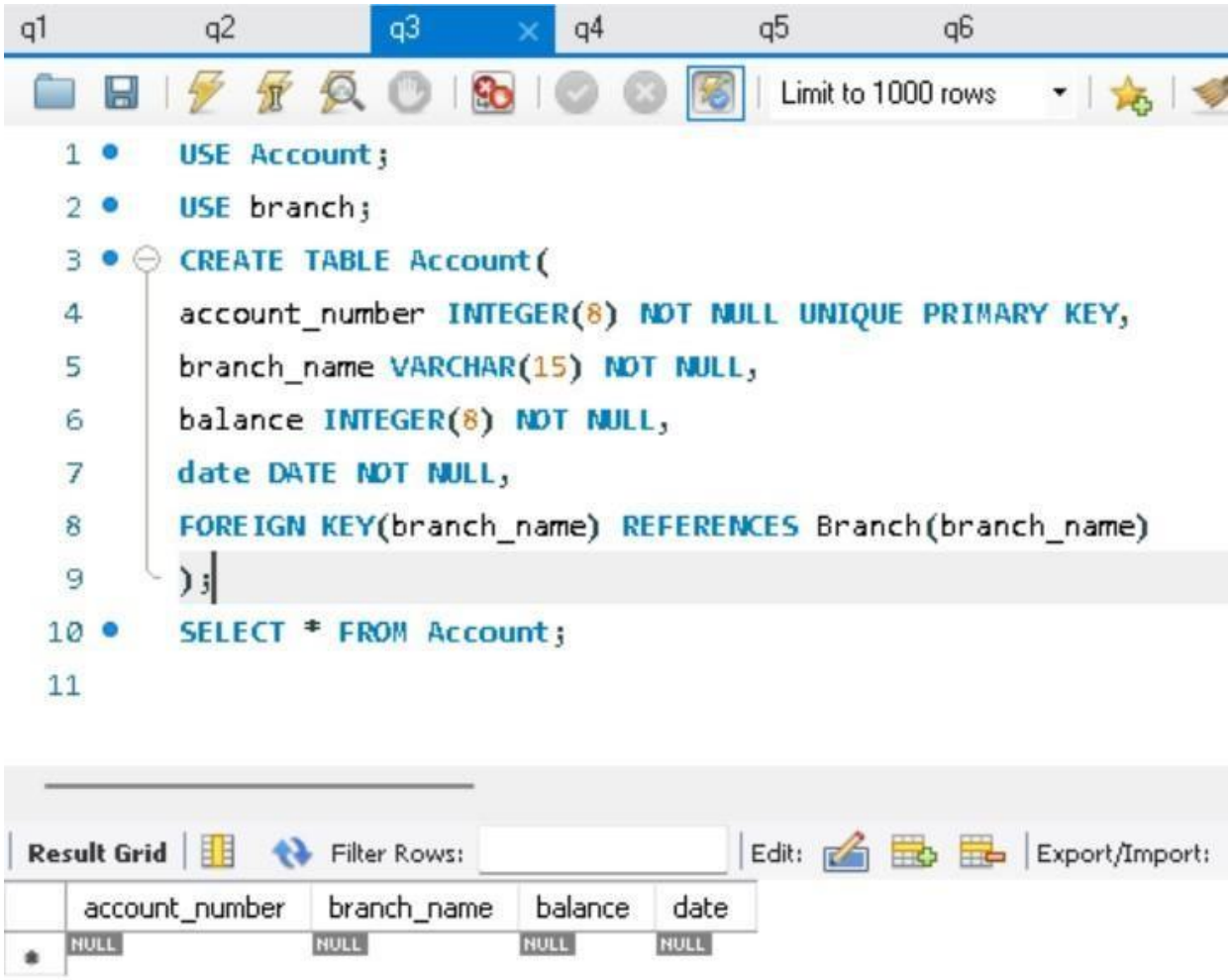


QUESTION 3: Create account table based on the given information.

CODE:

```
CREATE TABLE Account(
account_number INTEGER(8) NOT NULL UNIQUE PRIMARY KEY,
branch_name VARCHAR(15) NOT NULL,
balance INTEGER(8) NOT NULL,
date DATE NOT NULL,
FOREIGN KEY(branch_name) REFERENCES Branch(branch_name)
);
```

OUTPUT:

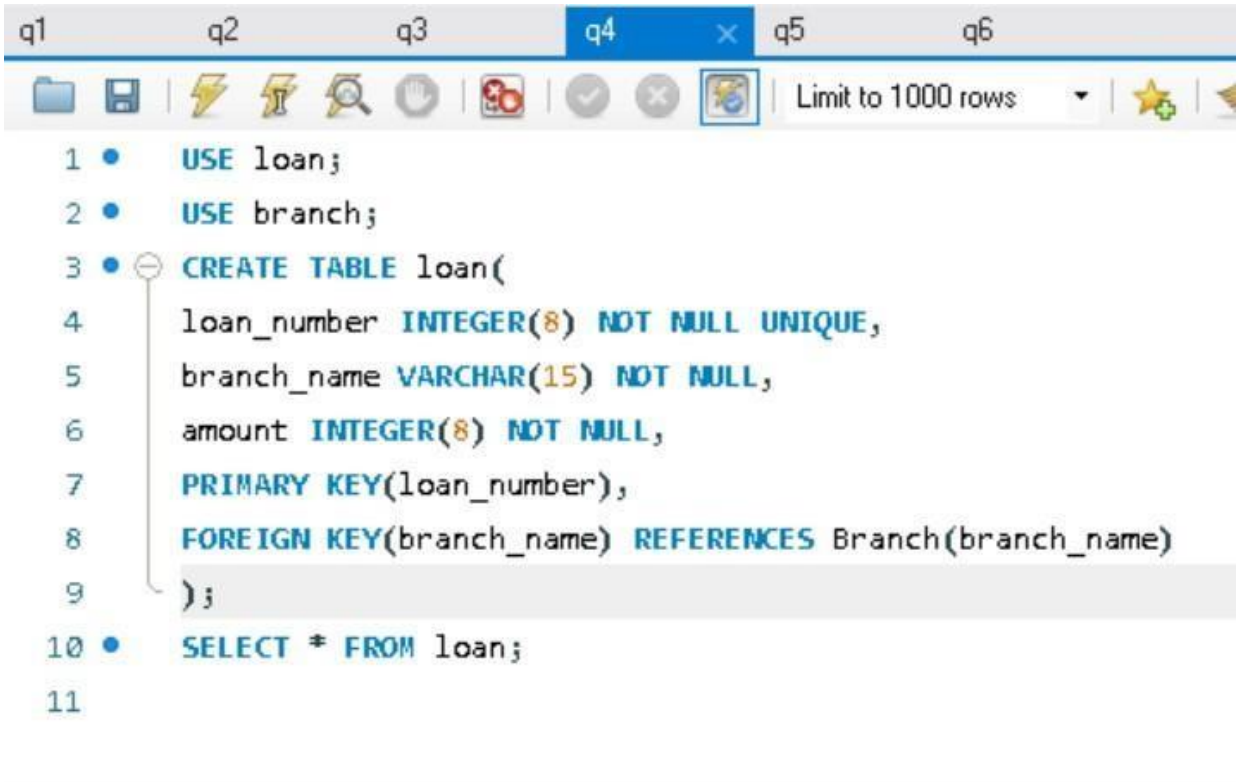


QUESTION 4: Create loan table based on the given information.

CODE:

```
CREATE TABLE loan(
loan_number INTEGER(8) NOT NULL UNIQUE,
branch_name VARCHAR(15) NOT NULL,
amount INTEGER(8) NOT NULL,
PRIMARY KEY(loan_number),
FOREIGN KEY(branch_name) REFERENCES Branch(branch_name)
);
```

OUTPUT:

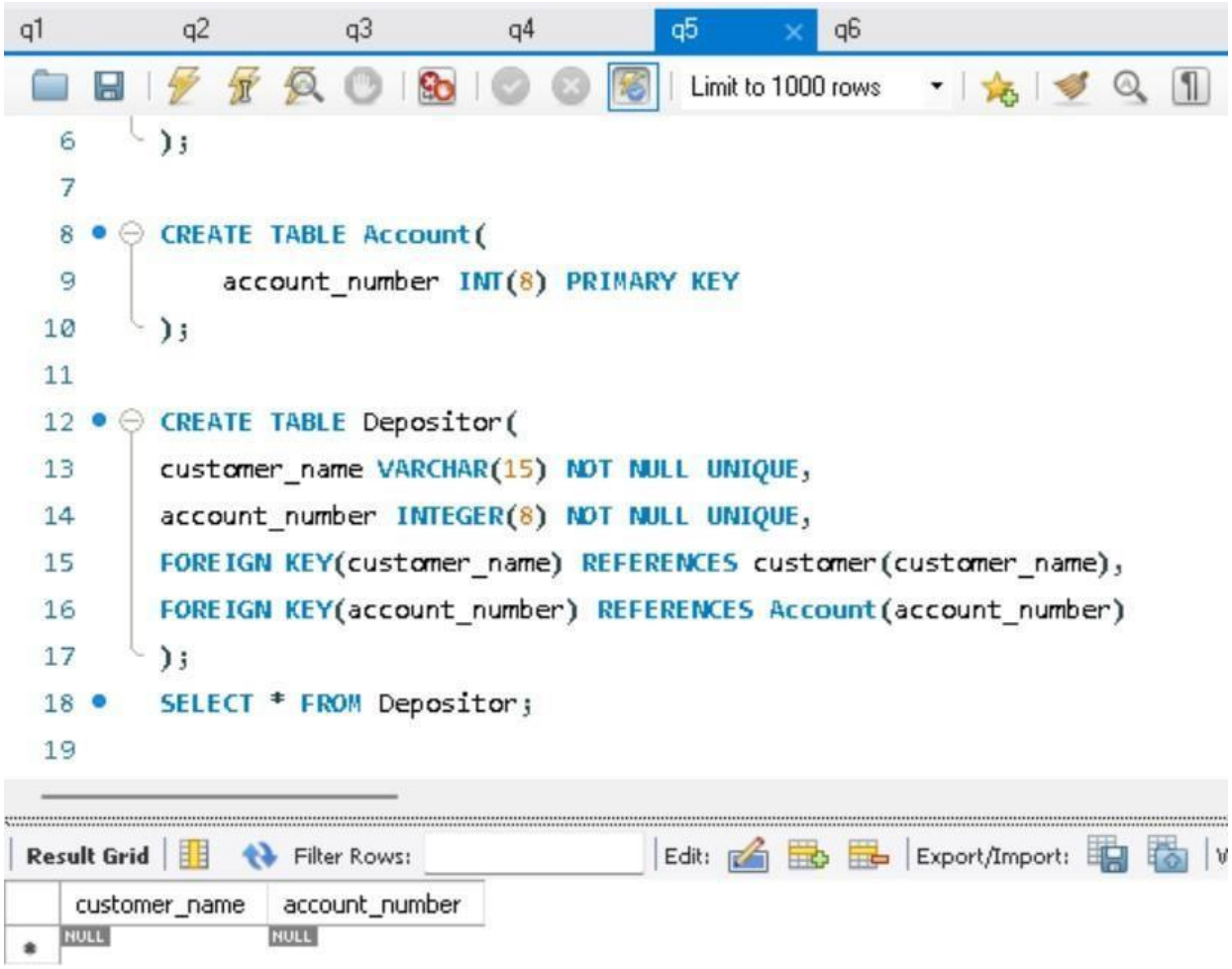


QUESTION 5: Create depositor table based on the given information.

CODE:

```
CREATE TABLE Depositor(
customer_name VARCHAR(15) NOT NULL UNIQUE,
account_number INTEGER(8) NOT NULL UNIQUE,
FOREIGN KEY(customer_name) REFERENCES customer(customer_name),
FOREIGN KEY(account_number) REFERENCES Account(account_number)
);
```

OUTPUT:



QUESTION 6: Create borrower table based on the given information.

CODE:

```
CREATE TABLE Borrower (
    customer_name VARCHAR(15) NOT NULL UNIQUE,
    loan_number INT(8) NOT NULL UNIQUE,
    FOREIGN KEY (customer_name) REFERENCES Customer(customer_name),
    FOREIGN KEY (loan_number) REFERENCES Loan(loan_number) -- Corrected column name
);
```

OUTPUT:

q1 q2 q3 q4 q5 q6

Limit to 1000 rows

```
1  USE Borrower;
2  USE Customer;
3  USE loan;
4  CREATE TABLE Borrower (
5      customer_name VARCHAR(15) NOT NULL UNIQUE,
6      loan_number INT(8) NOT NULL UNIQUE,
7      FOREIGN KEY (customer_name) REFERENCES Customer(customer_name),
8      FOREIGN KEY (loan_number) REFERENCES Loan(loan_number) -- Correct
9  );
10 SELECT * FROM Borrower;
```

Result Grid | Filter Rows: | Edit: | Export/Import:

customer_name	loan_number
NULL	NULL