

CODE:

```
-- "users" table which represents all users
CREATE TABLE users (
    userId INT PRIMARY KEY,
    userName VARCHAR(100) NOT NULL,
    emailId VARCHAR(100) NOT NULL
);
-- "bank_accounts" which represents all the bank accounts
CREATE TABLE bank_accounts (
    bankId INT PRIMARY KEY,
    bankName VARCHAR(100) NOT NULL,
    accountNumber VARCHAR(30) UNIQUE NOT NULL,
    isVerified BOOLEAN NOT NULL,
    userId INT,
    FOREIGN KEY (userId) REFERENCES users(userId)
);
-- "transfers" table which represents all the transfers made
CREATE TABLE transfers (
    transferId INT PRIMARY KEY,
    senderAccountNumber VARCHAR(30) NOT NULL,
    receiverAccountNumber VARCHAR(30) NOT NULL,
    amount DECIMAL(12,2) NOT NULL,
    transferDateTime TIMESTAMP NOT NULL,
    status BOOLEAN NOT NULL,
    FOREIGN KEY (senderAccountNumber) REFERENCES bank_accounts(accountNumber),
    FOREIGN KEY (receiverAccountNumber) REFERENCES bank_accounts(accountNumber)
);
-- Inserting values to "users" table
INSERT INTO users (userId, userName, emailId) VALUES
(1, 'Rahul Verma', 'rahul.verma@example.com'),
(2, 'Sneha Kapoor', 'sneha.kapoor@example.com'),
(3, 'Vikram Singh', 'vikram.singh@example.com'),
(4, 'Meera Nair', 'meera.nair@example.com');

-- Inserting values to "bank_accounts" table
INSERT INTO bank_accounts (bankId, bankName, accountNumber, isVerified, userId) VALUES
(101, 'HDFC', 'ACC123456', TRUE, 1),
(102, 'ICICI', 'ACC234567', TRUE, 1),
(103, 'SBI', 'ACC345678', FALSE, 2),
(104, 'Axis', 'ACC456789', TRUE, 3),
(105, 'Kotak', 'ACC567890', TRUE, 4);

-- Inserting values to "transfers" table
```

```
INSERT INTO transfers (transferId, senderAccountNumber, receiverAccountNumber, amount, transferDateTime, status) VALUES
```

```
(1001, 'ACC123456', 'ACC234567', 5000.00, '2025-07-30 10:00:00', TRUE),
```

```
(1002, 'ACC234567', 'ACC345678', 1500.50, '2025-07-30 11:15:00', TRUE),
```

```
(1003, 'ACC345678', 'ACC456789', 2500.75, '2025-07-31 09:30:00', FALSE),
```

```
(1004, 'ACC456789', 'ACC567890', 3200.00, '2025-07-31 12:45:00', TRUE);
```

```
-- Describing "users" table
```

```
DESC users;
```

```
-- Displaying "users" table data
```

```
SELECT * FROM users;
```

```
-- Describing "bank_accounts" table
```

```
DESC bank_accounts;
```

```
-- Displaying "bank_accounts" table data
```

```
SELECT * FROM bank_accounts;
```

```
-- Describing "transfers" table
```

```
DESC transfers;
```

```
-- Displaying "transfers" table data
```

```
SELECT * FROM transfers;
```

46 • DESC users;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	userId	int	NO	PRI	NULL	
	userName	varchar(100)	NO		NULL	
	emailId	varchar(100)	NO		NULL	

47 • SELECT * FROM users;

Result Grid	Filter Rows:	Edit:
userld	userName	emailld
1	Rahul Verma	rahul.verma@example.com
2	Sneha Kapoor	sneha.kapoor@example.com
3	Vikram Singh	vikram.singh@example.com
4	Meera Nair	meera.nair@example.com
NULL	NULL	NULL

49 • `DESC bank_accounts;`

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	bankid	int	NO	PRI	NULL	
	bankName	varchar(100)	NO		NULL	
	accountNumber	varchar(30)	NO	UNI	NULL	
	isVerified	tinyint(1)	NO		NULL	
	userId	int	YES	MUL	NULL	

50 • `SELECT * FROM bank_accounts;`

Result Grid | Filter Rows: | Edit:

	bankid	bankName	accountNumber	isVerified	userId
▶	101	HDFC	ACC123456	1	1
	102	ICICI	ACC234567	1	1
	103	SBI	ACC345678	0	2
	104	Axis	ACC456789	1	3
	105	Kotak	ACC567890	1	4
*	NULL	NULL	NULL	NULL	NULL

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52 • `DESC transfers;`

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	transferId	int	NO	PRI	NULL	
	senderAccountNumber	varchar(30)	NO	MUL	NULL	
	receiverAccountNumber	varchar(30)	NO	MUL	NULL	
	amount	decimal(12,2)	NO		NULL	
	transferDateTime	timestamp	NO		NULL	
	status	tinyint(1)	NO		NULL	

53 • `SELECT * FROM transfers;`

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap C

	transferId	senderAccountNumber	receiverAccountNumber	amount	transferDateTime	status
▶	1001	ACC123456	ACC234567	5000.00	2025-07-30 10:00:00	1
	1002	ACC234567	ACC345678	1500.50	2025-07-30 11:15:00	1
	1003	ACC345678	ACC456789	2500.75	2025-07-31 09:30:00	0
	1004	ACC456789	ACC567890	3200.00	2025-07-31 12:45:00	1
✱	NULL	NULL	NULL	NULL	NULL	NULL