```
mysql> DESCRIBE Users;
+----------------+---------------+------+-----+-------------------+-------------------+
| Field          | Type          | Null | Key | Default           | Extra             |
+----------------+---------------+------+-----+-------------------+-------------------+
| user_id        | int           | NO   | PRI | NULL              | auto_increment    |
| username       | varchar(50)   | NO   | UNI | NULL              |                   |
| email          | varchar(100)  | NO   | UNI | NULL              |                   |
| password_hash  | varchar(255)  | NO   |     | NULL              |                   |
| first_name     | varchar(50)   | NO   |     | NULL              |                   |
| last_name      | varchar(50)   | NO   |     | NULL              |                   |
| account_balance| decimal(15,2) | YES  |     | 10000.00          |                   |
| created_at     | timestamp     | YES  |     | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
| last_login     | timestamp     | YES  |     | NULL              |                   |
+----------------+---------------+------+-----+-------------------+-------------------+
9 rows in set (0.017 sec)

mysql> DESCRIBE Stocks;
+---------------+---------------+------+-----+-------------------+-----------------------------------------------+
| Field         | Type          | Null | Key | Default           | Extra                                         |
+---------------+---------------+------+-----+-------------------+-----------------------------------------------+
| stock_id      | int           | NO   | PRI | NULL              | auto_increment                                |
| ticker_symbol | varchar(10)   | NO   | UNI | NULL              |                                               |
| company_name  | varchar(100)  | NO   |     | NULL              |                                               |
| current_price | decimal(10,2) | NO   |     | NULL              |                                               |
| market_cap    | bigint        | YES  |     | NULL              |                                               |
| sector        | varchar(50)   | NO   | MUL | NULL              |                                               |
| industry      | varchar(50)   | YES  |     | NULL              |                                               |
| last_updated  | timestamp     | YES  |     | CURRENT_TIMESTAMP | DEFAULT_GENERATED on update CURRENT_TIMESTAMP |
+---------------+---------------+------+-----+-------------------+-----------------------------------------------+
8 rows in set (0.006 sec)

mysql> DESCRIBE Portfolios;
+----------------+---------------+------+-----+-------------------+-------------------+
| Field          | Type          | Null | Key | Default           | Extra             |
+----------------+---------------+------+-----+-------------------+-------------------+
| portfolio_id   | int           | NO   | PRI | NULL              | auto_increment    |
| user_id        | int           | NO   | MUL | NULL              |                   |
| portfolio_name | varchar(100)  | NO   |     | NULL              |                   |
| description    | text          | YES  |     | NULL              |                   |
| total_value    | decimal(15,2) | YES  |     | 0.00              |                   |
| created_at     | timestamp     | YES  |     | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
| is_active      | tinyint(1)    | YES  |     | 1                 |                   |
+----------------+---------------+------+-----+-------------------+-------------------+
7 rows in set (0.005 sec)

mysql> DESCRIBE Transactions;
+------------------+------------------+------+-----+-------------------+-------------------+
| Field            | Type             | Null | Key | Default           | Extra             |
+------------------+------------------+------+-----+-------------------+-------------------+
| transaction_id   | int              | NO   | PRI | NULL              | auto_increment    |
| user_id          | int              | NO   | MUL | NULL              |                   |
| stock_id         | int              | NO   | MUL | NULL              |                   |
| portfolio_id     | int              | NO   | MUL | NULL              |                   |
| transaction_type | enum('BUY','SELL')| NO  |     | NULL              |                   |
| quantity         | int              | NO   |     | NULL              |                   |
| price_per_share  | decimal(10,2)    | NO   |     | NULL              |                   |
| total_amount     | decimal(15,2)    | NO   |     | NULL              |                   |
| transaction_date | timestamp        | YES  | MUL | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
| notes            | text             | YES  |     | NULL              |                   |
+------------------+------------------+------+-----+-------------------+-------------------+
10 rows in set (0.005 sec)
```

```
mysql> DESCRIBE Watchlists;
+---------------+--------------+------+-----+-------------------+-------------------+
| Field         | Type         | Null | Key | Default           | Extra             |
+---------------+--------------+------+-----+-------------------+-------------------+
| watchlist_id  | int          | NO   | PRI | NULL              | auto_increment    |
| user_id       | int          | NO   | MUL | NULL              |                   |
| stock_id      | int          | NO   | MUL | NULL              |                   |
| added_date    | timestamp    | YES  |     | CURRENT_TIMESTAMP | DEFAULT_GENERATED |
| target_price  | decimal(10,2)| YES  |     | NULL              |                   |
| notes         | text         | YES  |     | NULL              |                   |
| alert_enabled | tinyint(1)   | YES  |     | 0                 |                   |
+---------------+--------------+------+-----+-------------------+-------------------+
7 rows in set (0.009 sec)
```

```
+--------------+----------+
| TableName    | RowCount |
+--------------+----------+
| Users        |       10 |
| Stocks       |       15 |
| Portfolios   |       12 |
| Transactions |       15 |
| Watchlists   |       10 |
| TOTAL        |       62 |
+--------------+----------+
6 rows in set (0.006 sec)

mysql> SHOW TABLES;
+-------------------------+
| Tables_in_stock_tracker |
+-------------------------+
| portfolios              |
| stocks                  |
| transactions            |
| users                   |
| watchlists              |
+-------------------------+
5 rows in set (0.022 sec)

mysql>
```

```
Enter your choice: 1



================================================================
                    ALL STOCKS
================================================================

+------+----------+-----------------------+----------+----------------------+------------------------+
|  ID  | Ticker   | Company               | Price    | Market Cap           | Sector                 |
+======+==========+=======================+==========+======================+========================+
|   1  | AAPL     | Apple Inc.            | $178.25  | $2,800,000,000,000   | Technology             |
+------+----------+-----------------------+----------+----------------------+------------------------+
|   4  | AMZN     | Amazon.com Inc.       | $178.90  | $1,850,000,000,000   | Consumer Cyclical      |
+------+----------+-----------------------+----------+----------------------+------------------------+
|  14  | BA       | The Boeing Company    | $185.30  | $115,000,000,000     | Industrials            |
+------+----------+-----------------------+----------+----------------------+------------------------+
|  12  | DIS      | The Walt Disney Company | $112.40 | $205,000,000,000   | Communication Services |
+------+----------+-----------------------+----------+----------------------+------------------------+
|   3  | GOOGL    | Alphabet Inc.         | $142.75  | $1,800,000,000,000   | Technology             |
+------+----------+-----------------------+----------+----------------------+------------------------+
|   9  | JNJ      | Johnson & Johnson     | $158.65  | $390,000,000,000     | Healthcare             |
+------+----------+-----------------------+----------+----------------------+------------------------+
|   7  | JPM      | JPMorgan Chase & Co.  | $198.75  | $570,000,000,000     | Financial Services     |
+------+----------+-----------------------+----------+----------------------+------------------------+
|   2  | MSFT     | Microsoft Corporation | $425.50  | $3,200,000,000,000   | Technology             |
+------+----------+-----------------------+----------+----------------------+------------------------+
|  13  | NFLX     | Netflix Inc.          | $598.75  | $260,000,000,000     | Communication Services |
+------+----------+-----------------------+----------+----------------------+------------------------+
|   6  | NVDA     | NVIDIA Corporation    | $875.20  | $2,200,000,000,000   | Technology             |
+------+----------+-----------------------+----------+----------------------+------------------------+
|  11  | PG       | Procter & Gamble Co.  | $162.85  | $385,000,000,000     | Consumer Defensive     |
+------+----------+-----------------------+----------+----------------------+------------------------+
|   5  | TSLA     | Tesla Inc.            | $175.50  | $550,000,000,000     | Consumer Cyclical      |
+------+----------+-----------------------+----------+----------------------+------------------------+
|   8  | V        | Visa Inc.             | $278.30  | $580,000,000,000     | Financial Services     |
+------+----------+-----------------------+----------+----------------------+------------------------+
|  10  | WMT      | Walmart Inc.          | $165.20  | $450,000,000,000     | Consumer Defensive     |
+------+----------+-----------------------+----------+----------------------+------------------------+
|  15  | XOM      | Exxon Mobil Corporation | $110.85 | $460,000,000,000   | Energy                 |
+------+----------+-----------------------+----------+----------------------+------------------------+

Total Stocks: 15

Press Enter to continue...
```