Initialization

- **Clear all Redis data:**
    - FLUSHALL

Most Viewed Stocks:

- **Get the list of most viewed stocks:**
    - ZREVRANGE mostViewedStocks 0 -1 WITHSCORES
- **When a stock is viewed one more time:**
    - ZINCRBY mostViewedStocks 1 "stock456"

Current Logged-In Users:

- **Retrieve session data for a specific user (`userId`):**
    - HGETALL session:userId
- **When updating a session attribute for a user:**
    - HSET session:userId lastAccess "2024-04-15T12:00:00Z"

Recent Transactions Cache:

- **Add a new transaction for a user:**
    - LPUSH recentTransactions "{InvestorID: 'inv123', StockID: 'stock456', Type: 'Buy', Quantity: 100, Price: 50.25}"
- **Trim the list to the most recent 10 transactions:**
    - LTRIM recentTransactions 0 9

Insight and Analysis:

- **Retrieve all data for a specific market insight:**
    - HGETALL marketInsight:insight890
- **When capturing a new market insight:**
    - HMSET marketInsight:insight891 SourceID "pol790" Ticker "STX" Description "buy low"

Political Figures' Recent Activities:

- **Add recent activity for a political figure:**
    - ZADD politicalActivities 20240415 "pol790"

User Portfolio Snapshot:

- **Retrieve the entire portfolio snapshot for a user:**
  - HGETALL portfolio:inv123
- **Update portfolio data for a user:**
  - HMSET portfolio:inv123 TotalValue 500000 LastUpdate "2024-04-15T12:00:00Z"