

Initialization

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

Most Viewed Stocks:

- **Create (Add a new stock with initial view count)**
 - ZADD mostViewedStocks 0 "newStockID"
- **Get the list of most viewed stocks:**
 - ZREVRANGE mostViewedStocks 0 -1 WITHSCORES
- **When a stock is viewed one more time:**
 - ZINCRBY mostViewedStocks 1 "stock456"
- **Delete (Remove a stock from the sorted set)**
 - ZREM mostViewedStocks "stockID"

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"