**Script 1.**

Create script to grab data by cron every minute from, Yahoo currency API url for a list of symbols, and insert each price into database.

Use following URL of 20 symbols.

http://query.yahooapis.com/v1/public/yql?q=select \* from yahoo.finance.xchange where pair in ("GBPUSD", "USDCHF", "EURUSD", "GBPJPY", "EURJPY", "GBPEUR", "USDCAD", "USDJPY", "AUDUSD", "NZDUSD", "EURAUD", "EURCHF", "GBPCHF", "CADJPY", "AUDNZD", "GBPCAD", "EURNZD", "EURCAD", "CHFJPY", "AUDJPY")&env=store://datatables.org/alltableswithkeys

Data to be stored with currency symbol (eg EURUSD) current price, and also time and date of data.

**Script 2.**

Create a script which queries the data we collected at the end of every hour, and deletes unwanted data.. Runs on a cron at end of every hour Monday to Friday.

The query will take for every symbol, the hours open price (eg 1 hour ago price), the highest price and lowest price during the hour, and close price (eg current price if runs at end of hour) and time of the hour (eg if cron runs at 10am, the time of data will be 9:00am hour). Store these in an “hour data” table.

IMPORTANT, when this script runs it needs to delete the previous data from 2 hours back for all symbols to keep the database small. Eg, if cron runs at 23:00 it will delete data for all symbols for 20:00 hour and add new hour (22:00 – 23:00) into database. So only ever store 2 hours for every symbol.

**Script 3.**

Create a script that queries the collected data every day and stores the days open, high, low and close price. EG, I set it to run by cron at 00:00 GMT, it takes the open price (24 hour back open price), highest and lowest price in the last 24 hours, and close price (current price if set to run at 00:00) stores these in a “daily data” table.

**Script 4.**

Create script which can query database and take the open, high, low and close price for each symbol **between any two times that can be set by me in the file**, and insert into separate database table.

**Example!** In the file I set between 09:00 and 14:59, the script will run on collected data, and take the open price (09:00 price) the high price and low price within the time range, and close price (14:59 price) for every symbol. Store these values in a separate table named “range data”.

**Script 5.**

Delete old data.

Create script that will run after the hourly, daily and range data has been collected (EG 00:05) and delete the previous days 1 minute yahoo data.

**Display the Data.**

Create a connect.php file to use as include for connecting to database.

On an html page which will be supplied, if url is domainname.com/symbol/ echo and display from database the current price (1 minute data), the last hour OHLC prices. The last days OHLC prices, yesterday’s range OHLC prices for the symbol in the current url (dynamic page).

OHLC = Open, High, Low, Close