<?php

ignore\_user\_abort(true);

//--$acct\_balance = 10000;

$host = 'localhost';

$db = 'base1';

$user = 'base1';

$pass = 'Snowcycle7';

$charset = 'utf8';

$dsn = "mysql:host=$host;dbname=$db;charset=$charset";

$opt = [

PDO::ATTR\_ERRMODE => PDO::ERRMODE\_EXCEPTION,

PDO::ATTR\_DEFAULT\_FETCH\_MODE => PDO::FETCH\_ASSOC,

PDO::ATTR\_EMULATE\_PREPARES => false,

];

$pdo = new PDO($dsn, $user, $pass, $opt);

function getBuy($bs) {

if ($bs == 0) {

return 'Bought';

}

elseif ($bs == 1){

return 'Sold';

}

}

function makPos($ng) {

if ($ng < 0) {

return $ng\*-1;

}

else {

return $ng;

}

}

function makPerc($mp) {

if ($mp >= 0) {

return "+" . $mp . "%";

}

else {

return $mp . "%";

}

}

function addPom($ap) {

if ($ap >= 0) {

return "+" . $ap;

}

}

function flipPos($fp) {

if ($fp == 0) {

return $fp;

}

else {

$fp = -$fp;

return $fp;

}

}

function postLive() {

global $pdo;

global $acct\_balance;

setlocale(LC\_MONETARY, 'en\_US');

$getLive = $pdo->query("SELECT \* FROM live WHERE shares\_now != 0");

echo "<table>";

echo "<tr><th>Code</th><th>Shares</th><th>Price</th><th>Bought@</th>

<th>Value</th><th>Spent</th><th>P/L</th><th>Rate</th></tr>";

foreach ($getLive as $line) {

echo "<tr>";

echo "<td>".$line['code']."</td>";

echo "<td>".$line['shares\_now']."</td>";

echo "<td>".money\_format('%.2n', $line['price\_now'])."</td>";

echo "<td>".money\_format('%.2n', $line['av\_spent'])."</td>";

echo "<td>".money\_format('%.2n', $line['ass\_now'])."</td>";

echo "<td>".money\_format('%.2n', $line['cash\_now'])."</td>";

echo "<td>".money\_format('%.2n', $line['pl'])."</td>";

echo "<td>".makPerc(flipPos($line['pl\_rate']))."</td>";

}

echo "</tr>";

echo "</table>";

}

function updateLive() {

global $pdo;

global $stockname;

global $number;

global $price;

$number = floatval($number);

//if table does not exist, create it.. otherwise move along

$sql = "SHOW TABLES LIKE '".$stockname."'";

$result = $pdo->prepare($sql);

$result->execute();

$count = $result->rowCount();

if ($count == 0) {

//stock never been bought before

//table does not exist

$pdo->exec("CREATE TABLE $stockname (

ID INT NOT NULL AUTO\_INCREMENT,

shares INT(11),

deltashares INT(11),

price DECIMAL(10,2),

avspent DECIMAL(10,2),

assets DECIMAL(10,2),

cash DECIMAL(10,2),

pl DECIMAL(10,2),

plrate DECIMAL(10,2),

cycle INT(11),

y1 DECIMAL(10,2),

y2 DECIMAL(10,2),

datetime TIMESTAMP,

PRIMARY KEY (ID));");

$sql = "SELECT count(cycle) FROM $stockname";

$zero\_shares = $pdo->prepare($sql);

$zero\_shares->execute();

$shares\_number\_of\_zeros = $zero\_shares->fetchColumn();

$sql = "INSERT INTO $stockname (shares,deltashares,price,avspent,

assets,cash,pl,plrate,cycle,y1,y2) VALUES(?,?,?,?,?,?,?,?,?,?,?)";

$pdo->prepare($sql)->execute([$number\*-1,$number,$price,

($number\*$price\*-1)/$number,$number\*$price\*-1,$number\*$price,0,0,

$shares\_number\_of\_zeros+1,$number\*$price\*-1,$number\*$price\*-1]);

$sql = 'INSERT INTO live (code,shares\_now,price\_now,av\_spent,ass\_now,cash\_now,

pl,pl\_rate) VALUES (?,?,?,?,?,?,?,?)';

$pdo->prepare($sql)->

execute([$stockname,$number\*-1,$price,($number\*$price)/$number,

$number\*$price\*-1,$number\*$price,0,0]);

}

elseif ($count == 1){ //table exists (cycles exist: bought stock before)

$sql = "SELECT count(shares) FROM $stockname WHERE shares = 0";

$zero\_shares = $pdo->prepare($sql);

$zero\_shares->execute();

$shares\_number\_of\_zeros = $zero\_shares->fetchColumn();

$newrow = $pdo->query("SELECT shares,cash,cycle

FROM $stockname ORDER BY datetime DESC LIMIT 1");

$sn\_newrow = $newrow->fetch();

if ($sn\_newrow['shares'] == 0){ //start new cycle

$sql = "INSERT INTO $stockname (shares,deltashares,price,avspent,

assets,cash,pl,plrate,cycle,y1,y2) VALUES(?,?,?,?,?,?,?,?,?,?,?)";

$pdo->prepare($sql)->execute([

$number\*-1, //how many shares you now own

$number, //deltashares

$price, //price

$price\*-1, //avspent

($sn\_newrow['shares']-$number)\*$price, //assets: current shares \* current price

($sn\_newrow['shares']-$number)\*$price\*-1, //cash: assets \* -1

0, //pl

0, //plrate

$shares\_number\_of\_zeros + 1, //cycle #

($sn\_newrow['shares']-$number)\*$price, //y1: value of shares just bought

($sn\_newrow['shares']-$number)\*$price]); //y2: ...

}

else { //continue with ongoing cycle

$sql = "INSERT INTO $stockname (shares,deltashares,price,avspent,

assets,cash,pl,cycle) VALUES(?,?,?,?,?,?,?,?)";

$pdo->prepare($sql)->execute([

$sn\_newrow['shares']-$number,

$number,

$price,

$sn\_newrow['cash']/($sn\_newrow['shares']),

($sn\_newrow['shares']-$number)\*$price,

($number\*$price)+$sn\_newrow['cash'],

(($sn\_newrow['shares']-$number)\*$price)+(($number\*$price)+$sn\_newrow['cash']),

$shares\_number\_of\_zeros + 1]);

$c = $sn\_newrow['cycle'];

$sql = "SELECT ID FROM $stockname WHERE cycle = $c";

$id = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

$sql = "SELECT deltashares FROM $stockname";

$delta = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

$sql = "SELECT price FROM $stockname";

$pri = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

$sql = "SELECT shares FROM $stockname";

$shs = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

$sql = "SELECT pl FROM $stockname";

$plc = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

$sold = 0;

$bought = 0;

foreach ($id as $i) {

$d = $delta[$i-1];

$p = $pri[$i-1];

$sh = $shs[$i-1];

$pl = $plc[$i-1];

if ($d > 0) {

$sold += makPos($d \* $p);

}

elseif ($d < 0) {

$bought += makPos($d \* $p);

}

elseif ($d == 0) {

$sold += 0;

$bought += 0;

}

$own = $sh \* $p;

}

$rate = (($bought-($sold+$own))/(($sold+$own)))\*100;

$y2 = $bought+$pl;

$sql = "UPDATE $stockname SET plrate=?,y1=?,y2=? ORDER BY datetime DESC LIMIT 1";

$pdo->prepare($sql)->execute([$rate,$bought,$y2]);

}

$tolive = $pdo->query("SELECT plrate,shares,cash,avspent

FROM $stockname ORDER BY datetime DESC LIMIT 1");

$sn\_tolive = $tolive->fetch();

$sql = "UPDATE live SET shares\_now=?, price\_now=?, av\_spent=?, ass\_now=?,

cash\_now=?, pl=?, pl\_rate = ? WHERE code = ?";

$pdo->prepare($sql)->

execute([

$sn\_tolive['shares'],

getPrice($stockname),

$sn\_tolive['avspent'],

$sn\_tolive['shares']\*getPrice($stockname),

$sn\_tolive['cash'],

($sn\_tolive['shares']\*getPrice($stockname))+($sn\_tolive['cash']),

$sn\_tolive['plrate'],

$stockname

]);

}

}

function getPrice($sn) {

global $pdo;

$currval = $sn;

include('yahoostock\_currval.php');

return $pricee;

}

function updateCurrval() {

global $pdo;

$sql = "SELECT code FROM live";

$scode = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

foreach ($scode as $s) {

$cash = $pdo->query("SELECT cash\_now FROM live WHERE code = '$s'");

$sn\_cash = $cash->fetch();

$currprice = getPrice($s);

$sql = "SELECT shares\_now FROM live";

$shares = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

$shares = $shares[array\_search($s, $scode)];

$assets = $currprice\*$shares;

$pl = $assets + $sn\_cash['cash\_now'];

$sql = 'UPDATE live SET price\_now = ?, ass\_now = ?, pl = ? WHERE code = ?';

$pdo->prepare($sql)->execute([$currprice,$assets,$pl,$s]);

$cycle = $pdo->query("SELECT cycle

FROM $s ORDER BY datetime DESC LIMIT 1");

$sn\_cyc = $cycle->fetch();

$c = $sn\_cyc['cycle'];

$sql = "SELECT ID FROM $s WHERE cycle = $c";

$id = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

$sql = "SELECT deltashares FROM $s";

$delta = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

$sql = "SELECT price FROM $s";

$price = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

$sql = "SELECT shares FROM $s";

$shs = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

$sold = 0;

$bought = 0;

foreach ($id as $i) {

$d = $delta[$i-1];

$p = $price[$i-1];

$sh = $shs[$i-1];

if ($d > 0) {

$sold += makPos($d \* $p);

}

elseif ($d < 0) {

$bought += makPos($d \* $p);

}

elseif ($d == 0) {

$sold += 0;

$bought += 0;

}

$own = $sh \* getPrice($s);

}

$rate = (($bought-($sold+$own))/(($sold+$own)))\*100;

$sql = 'UPDATE live SET pl\_rate = ? WHERE code = ?';

$pdo->prepare($sql)->execute([$rate,$s]);

}

}

function postHistory(){

global $pdo;

setlocale(LC\_MONETARY, 'en\_US');

$gethist = $pdo->query("SELECT buy\_or\_sell,full\_name,sharenumber,

boughtat,bill,date\_time FROM stock\_info ORDER BY date\_time DESC");

echo "<table>";

echo "<tr><th>Bought/Sold</th><th>Company</th><th>Shares</th>

<th>Price</th><th>Bill</th><th>Time</th></tr>";

foreach ($gethist as $line) {

echo "<tr>";

echo "<td>".getbuy($line["buy\_or\_sell"])."</td>";

echo "<td>".$line["full\_name"]."</td>";

echo "<td>".makPos($line["sharenumber"])."</td>";

echo "<td>".money\_format('%.2n', makPos($line['boughtat']))."</td>";

echo "<td>".money\_format('%.2n', makPos($line['bill']))."</td>";

echo "<td>".$line["date\_time"]."</td>";

}

echo "</tr>";

echo "</table>";

}

function intoSn() {

global $pdo;

$sql = "SELECT code FROM live";

$scode = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

foreach ($scode as $s) {

$shares = $pdo->query("SELECT shares

FROM $s ORDER BY datetime DESC LIMIT 1");

$sn\_shares = $shares->fetch();

if ($sn\_shares['shares'] != 0) {

$cycle = $pdo->query("SELECT cycle

FROM $s ORDER BY datetime DESC LIMIT 1");

$sn\_cyc = $cycle->fetch();

$y1 = $pdo->query("SELECT y1

FROM $s ORDER BY datetime DESC LIMIT 1");

$sn\_y1 = $y1->fetch();

$cash = $pdo->query("INSERT INTO $s (shares,price,avspent,assets,cash,

pl,plrate) SELECT shares\_now,price\_now,av\_spent,

ass\_now,cash\_now,pl,pl\_rate FROM live WHERE code = '$s'");

$sn\_cash = $cash->fetch();

$pl = $pdo->query("SELECT pl

FROM $s ORDER BY datetime DESC LIMIT 1");

$sn\_pl = $pl->fetch();

$sql = "UPDATE $s SET deltashares = ?, cycle = ?, y1 = ?, y2 = ?

ORDER BY datetime DESC LIMIT 1";

$pdo->prepare($sql)->execute([0,$sn\_cyc['cycle'],$sn\_y1['y1'],

$sn\_y1['y1'] + $sn\_pl['pl']]);

}

}

}

function intoNet() {

global $pdo;

$sql = "SELECT code FROM live";

$scode = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

$pltotal = array();

foreach ($scode as $s) {

$sql = "SELECT pl FROM $s WHERE shares = 0";

$zero\_pls = $pdo->query($sql)->fetchAll(PDO::FETCH\_COLUMN);

foreach ($zero\_pls as $z) {

array\_push($pltotal, $z);

}

$newrow = $pdo->query("SELECT pl

FROM $s ORDER BY datetime DESC LIMIT 1");

$sn\_newrow = $newrow->fetch();

array\_push($pltotal, $sn\_newrow['pl']);

}

$sumpl = array\_sum($pltotal);

$sql = "INSERT INTO net (sumpl) VALUES(?)";

$pdo->prepare($sql)->execute([$sumpl]);

}

?>