

```
function [exchangeMod] = updateExchange( ...
    exchange, ...
    currentTime)
% This function will update the
% given stock exchange based on
% simulated market activity.

for i = (1:length(exchange))
    % Simulate price activity for
    % each stock.
    [newStockData] = simStock_GeneralMills01( ...
        exchange(i),currentTime);
    % Update the market activity
    % of each stock in the exchange.
    nextEntry = (length(exchange(i).year) + 1);
    exchange(i).currentPrice = newStockData.currentPrice;
    exchange(i).year(nextEntry) = currentTime(1);
    exchange(i).month(nextEntry) = currentTime(2);
    exchange(i).day(nextEntry) = currentTime(3);
    exchange(i).high(nextEntry) = newStockData.high(end);
    exchange(i).low(nextEntry) = newStockData.low(end);
    exchange(i).close(nextEntry) = newStockData.close(end);
    exchange(i).volume(nextEntry) = newStockData.volume(end);
end

% Make sure to return the
% modified exchange so the
% data is not lost.
exchangeMod = exchange;

return;

end
```