# Pseudocode - Advanced Arrays

import scanner

create main method

create an array holding the items for the hot dog stand

the items should be “hot dog”, “bratwurst”, “hamburger”, “fries” and “soda”

create a parallel array to hold the quantities of each item

the quantities can be any integer amount greater than 0, there should be 5 entries

display that these are the initial qualities

use a for loop to go through each array and display the item and the quantity of that item

call the menu method and pass the items and quantities arrays

create menu method, take in the two arrays of items and the quantities

call the scanner

create an int variable called option to hold the users choice

create a do/while loop to display the options the user can perform on the inventory

display inventory check as option 1

display add to stock as option 2

display remove from stock as option 3

display quit as option 4

get an option from the user using numbers 1-4

display the menu options while the users selection is not one of those options

create a switch case statement for each of the options

case when option 1 selected

display to user they selected inventory check

call the inventory check method and pass the item and quantity arrays

case when option 2 selected

display to user they selected to add to stock

call the add to stock method and pass the item and quantity arrays

case when option 3 selected

display to user they selected to remove from stock

call the remove from stock method and pass the item and quantity array

case when option 4 selected

display to user they have selected to quit the application

display exit message to user

create an inventory check method, take in the two arrays of items and the quantities

call the scanner

create an int variable called option1

create an int variable called pos

create a do/while loop to display a request to the user of which item in inventory they would like to view the quantity of

display hot dog as option 1

display bratwurst as option 2

display hamburger as option 3

display fries as option 4

display soda as option 5

display all as option 6

display exit back to menu as option 7

get the choice from the user and assign it to option variable

display the menu while option is not one of the displayed options

create a switch case statement for each of the options

case statement for option 1

assign pos variable a value of 0

display to user they selected to check quantity of item in position pos

display to user that there is quantity of quantity in position pos of item in position pos

call the menu method and pass the items and quantities arrays

case statement for option 2

assign pos variable a value of 1

display to user they selected to check quantity of item in position pos

display to user that there is quantity of quantity in position pos of item in position pos

call the menu method and pass the items and quantities arrays

case statement for option 3

assign pos variable a value of 2

display to user they selected to check quantity of item in position pos

display to user that there is quantity of quantity in position pos of item in position pos

call the menu method and pass the items and quantities arrays

case statement for option 4

assign pos variable a value of 3

display to user they selected to check quantity of item in position pos

display to user that there is quantity of quantity in position pos of item in position pos

call the menu method and pass the items and quantities arrays

case statement for option 5

assign pos variable a value of 4

display to user they selected to check quantity of item in position pos

display to user that there is quantity of quantity in position pos of item in position pos

call the menu method and pass the items and quantities arrays

case statement for option 6

display to user that all items and quantities will be displayed

use a for loop to go through each array and display the item and the quantity of that item

call the menu method and pass the items and quantities arrays

case statement for option 7

display to user they selected to exit back to the menu

call the menu method and pass the items and quantities arrays

create an add method, take in the two arrays of items and quantities

call the scanner

create an int variable called option

create an int variable called pos

create a do/while loop to display a request to the user of which item in inventory they would like to increase the quantity of

display hot dog as option 1

display bratwurst as option 2

display hamburger as option 3

display fries as option 4

display soda as option 5

display exit back to menu as option 6

get the choice from the user and assign it to option variable

display the menu while option is not one of the displayed options

create a switch case statement for each of the options

case statement for option 1

assign pos variable a value of 0

call addCalc method, pass the item array, quantity array and pos integer

case statement for option 2

assign pos variable a value of 1

call addCalc method, pass the item array, quantity array and pos integer

case statement for option 3

assign pos variable a value of 2

call addCalc method, pass the item array, quantity array and pos integer

case statement for option 4

assign pos variable a value of 3

call addCalc method, pass the item array, quantity array and pos integer

case statement for option 5

assign pos variable a value of 4

call addCalc method, pass the item array, quantity array and pos integer

case statement for option 6

display to user they selected to exit back to the menu

call the menu method and pass the items and quantities arrays

create a sell method, take in the two arrays of items and the quantities

call the scanner

create an int variable called option

create an int variable called pos

create a do/while loop to display a request to the user of which item in inventory they would like to increase the quantity of

display hot dog as option 1

display bratwurst as option 2

display hamburger as option 3

display fries as option 4

display soda as option 5

display exit back to menu as option 6

get the choice from the user and assign it to option variable

display the menu while option is not one of the displayed options

create a switch case statement for each of the options

case statement for option 1

assign pos variable a value of 0

call addCalc method, pass the item array, quantity array and pos integer

case statement for option 2

assign pos variable a value of 1

call addCalc method, pass the item array, quantity array and pos integer

case statement for option 3

assign pos variable a value of 2

call addCalc method, pass the item array, quantity array and pos integer

case statement for option 4

assign pos variable a value of 3

call addCalc method, pass the item array, quantity array and pos integer

case statement for option 5

assign pos variable a value of 4

call addCalc method, pass the item array, quantity array and pos integer

case statement for option 6

display to user they selected to exit back to the menu

call the menu method and pass the items and quantities arrays

create addCalc method pass in the item array, quantity array and pos integer

call the scanner

create an int variable called amount

create an int variable called ph assign it a value of the quantity array in the pos position

display to user that selected to add to item array at position pos

create a do/while loop

display a request to the user how many they want to increase the stock by

set inputted value to variable amount

while amount is less than 0, reshow request

quantity array position of pos is set to a value increased by amount variable

display to the user the original quantity, the quantity added, and the new total

call the menu method and pass the items and quantities arrays

create sellCalc method pass in the item array, quantity array and pos integer

call the scanner

create an int variable called amount

create an int variable called ph assign it a value of the quantity array in the pos position

display to user that selected to sell item array at position pos

create a do/while loop

display a request to the user how many they want to decrease the stock by

set inputted value to variable amount

while amount is less than 0, reshow request

if reducing quantity in position pos would reduce value to less than zero

assign quantity in position pos to zero

display an error message

display to the user the original quantity, the quantity taken away, and the new total

else

reduce the value of quantity in position pos by amount

display to the user the original quantity, the quantity taken away, and the new total

call the menu method and pass the items and quantities arrays