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ICS 4U1

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ICS 4U1 ISU: Pseudocode

public class Main

declare scan as a scanner

static Orders order = new Orders();

public static void main(String[] args)

print title of the game, instructions and objective

call start1 method

public static void start1

print round 1

for i in 0 to 5

call round1 from Orders class

print number of strikes

if user gets 3 strikes

terminates loop

endfor;

if user gets 3 strikes

print "You got 3 strikes. You Lose."

call exit method

else

call start2 method

public static void start2

print round2

for i in 0 to 5

call round2 method from Orders class

print number of strikes

if user gets 3 strikes

terminates loop

endfor;

if user gets 3 strikes

print "You got 3 strikes. You Lose.\n"

else

print "You win!"

call exit method

public static void exit()

print "Your Final Score is: " + calls getScore method from Orders class

print "Play Again? 1 = Yes 2 = No"

declare int choice to scan next int

do

if choice is 1

print title of the game, instructions and objective

call setScore method from Orders class and set it to 0

call setStrike method from Orders class and set it to 0

call start1 method

else if choice is 2

print "Thank you for playing!"

else

print "Error.”

while choice is not equal to 1 or 2

public class Orders

declare private int variable score set to 0

declare private int strike set to 0

generate getters and setters for strike and score

declare public static int getRandomInt(int maxNum)

generates a random number

declare public String determineOrder(int[] orderArray)

String order set as " "

for i in 0 to orderArray length

if orderArray is 1

Print “ ” + Print “Burger”

else if orderArray is 2

order = Print “ ” + Print “Fries”

else if orderArray is 3

order = Print “ ” + Print “Soda”

else if orderArray is 4

order = Print “ ” + Print “Milkshake”

else if orderArray is 5

order = Print “ ” + Print “Cookie”

else if orderArray is 6

order = Print “ ” + Print “Sandwich”

if order ends with “,”

removes comma

return order

public void round1()

Declare scan as a scanner

declare int number = call getRandomInt method and set to 8

declare array int[] randomorder1 = 1,2,3,4

declares 7 more arrays

print straight line

if number is 1

prints out the random order 1

repeats 7 more times

print straight line

print Select the correct items in order. "

"1 = Burger"

"2 = Fries"

"3 = Soda"

"4 = Milkshake"

"5 = Cookie"

"6 = Sandwich”

declare int a1 = 0, a2 = 0, a3 = 0, a4 = 0

for i in 1 to 4;

if i is equal to 1

a1 set to scan next int

repeats 3 more times

declare array int inputOrder[] = a1,a2,a3,a4

if number equals to 1

declare boolean result = checks if user input is the same as the array

if result is true

Print "Order Correct! +1 Point”

adds 1 to score

else

print "Order Incorrect. +1 Strike"

adds 1 to strike

repeats 7 more times

public void round2()

declare scan as a scanner

declare int number = call getRandomInt method and set to 8

declare array int[] randomorder1 = 1,2,3,4,5,6

declares 7 more arrays

print straight line

if number is 1

prints out the random order 1

repeats 7 more times

print straight line

print Select the correct items in order. "

"1 = Burger"

"2 = Fries"

"3 = Soda"

"4 = Milkshake"

"5 = Cookie"

"6 = Sandwich”

declare int a1 = 0, a2 = 0, a3 = 0, a4 = 0, a5 = 0, a6 = 0;

for i in 1 to 6;

if i is 1

a1 set to scan next int

repeats 5 more times

Declare array int inputOrder[] = a1,a2,a3,a4,a5,a6

if number is 1

declare boolean result = checks if user input is the same as the array

if result is true

Print "Order Correct! +1 Point”

adds 2 to score

else

print "Order Incorrect. +1 Strike"

adds 1 to strike

repeats 7 more times