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//SDEV 120

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//Pasta Fresh

//Pasta Boss ordering app

//

//This program is called Pasta Boss

Main Module

Declare Tip , SubTotal , Price , FinalCost as Float

Declare Discount as Float

Declare UserName as String

Write “Thank you for downloading Pasta Boss, our app-based ordering software.”

Write “Please tell us your first name.”

Input UserName

Call Input Module

Call Process Module

Call Output Module

End Main Program

//

Input Module

Write“Thank you “ + UserName + “, please select one of the following entrees.”

//

Write “Pasta Fresh “Pasta Boss” ordering system”

Write “\*we are a gluten free establishment\*”

Write “Leave the program. . . . . . . . . . . .Press 0”

Write “Spaghetti & Meatballs. . . . $5.99 . . . . . Press 1”

Write “Chicken Alfredo . . . . $6.99 . . . . . . . . . . .Press 2”

Write “Chicken Parmesan with “

Write “Tomato Basil pasta. . . . $8.99 . . . . . . . . Press 3”

Write “Cauliflower Veggie Delight Pizza”

Write “With Cheese “Bread”. . . . . $8.49 . . . . . .Press 4”

//

Input Entree

Select Case of Entree

Case 0

Write “Please come again soon. Goodbye.”

End Main Program

Break

//

Case 1

Write “You selected Spaghetti & Meatballs.”

Set Price = $5.99

Set SubTotal = (Price \* .07) + Price

Break

//

Case 2

Write “You selected Chicken Alfredo.”

Set Price = $6.99

Set SubTotal = (Price \* .07) + Price

Break

//

Case 3

Write “You selected Chicken Parmesan with Tomato Basil pasta.”

Set Price = $8.99

Set SubTotal = (Price \* .07) + Price

Break

//

Case 4

Write “You selected Cauliflower Veggie Delight Pizza w/ Cheese “Bread”.”

Set Price = $8.49

Set SubTotal = (Price \* .07) + Price

Break

//

End Case

//

Write “Thank you, “ + UserName + “, your current total with tax calculated is Write “ + SubTotal + “. Would you like to leave a tip?”

//

Write “Yes. . . . . . . . . . . . . Press 0”

Write “No . . . . . . . . . . . . . Press 1”

//

Select Case of Choice

Case 0:

Write “Thank you! Your gratitude is very much appreciated! Please enter your” Write “tip amount.”

Input Tip

Set FinalCost = SubTotal + Tip

Break

//

Case 1:

Write “We appreciate your business!”

Break

End Case

//

End Input Module

//

Process Module

//Selecting the user’s cost tier to calculate discount

If Price > $8.00 Then

Set Discount = $1.00

If Price < $8.00 Then

Set Discount = $.50

End If

End If

// This next bit is calculating the final cost with tip. In debug, we may need to set tip = 0 if no tip

Set FinalCost = Price + Tip

End Process Module

//

//This is where we tell the user how much their bill is, and thank them for dining with us.

Output Module

Write “” + UserName + “, your total cost, including tips and tax will be”

Write ““ + FinalCost + “.”

Write “”

Write “ + UserName + “, please check your receipt, you have earned a reward! You”

Write “have earned “ + Discount + “ off of your next purchase!”

Write “Thank you for dining at Pasta Fresh, we hope to see you again soon!”

End Output Module