```
# Returns the price for a given item.
def getPrice(categoryDictionary, item):
    #if the item exists as a key within the categoryDictionary
    if item in categoryDictionary:
        itemPrice = categoryDictionary[item]
        #then it should return the value of that key
        return itemPrice
    else:
        #else return 0.00 as the value
        return 0.00

#Returns the Price of the orderList.
def getTotal(menuDict, orderList):
    #Set total price to be 0.00 first
    totalPrice = 0.00
    #For loop to iterate through the orderList
    for i in orderList:
            #For loop to return the value by getPrice and add that value to
totalPrice
            for category in menuDict.values():
                foodPrice = getPrice(category, i)
                totalPrice = totalPrice + foodPrice
    return(totalPrice)

def printOrder(orderNumber, orderItems, orderTotal, orderType):
    #Print out a single order based on the parameter inputs
    print("For the following Order Number: " + str(orderNumber) + ", you wanted a "
+ orderType + " with ", orderItems , " the total for this order will be: $" +
str(orderTotal))
    print()

def printOrders(finalOrders):
    #for loop to iterate through the finalOrders 2-D List
    for order in finalOrders:
        #Create variables to the corresponding elements inside the inner list
        orderNum = order[0]
        order1 = order[1]
        order2 = order[2]
        order3 = order[3]
        #Print out the orders minus the last element inside the inner list
        print(orderNum, order1, order2, "$", order3)

#Returns a list with all of the order selected.
def makeOrder(menuDictionary):
    #Create a list to hold the user's order
    userOrder = []
    #For loop to iterate through the menuDict
    for category in menuDictionary:
        #Print out the categories
        print("For your", category)
        #Print out the options for the categories itself
        print("Please choose one of the following: ")
        #For loop to add user's items to the new list
        for items in menuDictionary[category]:
            print(items)
        #Prompts the user to enter what they would like from that category
        userItems = input("What would you like from the " + category + "
category:")
        print("")
```

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        userOrder.append(userItems)
    return userOrder


def main():
    #Dictionary of item prices
    menuItems = {"Base": {"white rice": 8.95, "fried rice": 9.95, "no rice": 5.95,
"noodles": 8.95},\
    "Veggies": {"stir-fry": 2.50, "tofu": 0.00, "string beans": 0.00},\
    "Protein" : {"orange chicken": 2.00, "general tso chicken": 2.00, "beef": 2.50,
"shrimp": 2.50, "pork": 2.50, "no meat": 0.00},\
    "Drinks" : {"fountain drink": 2.00, "juice": 2.50, "water": 0.00, "no drink":
0.00},\
    "Sides": {"eggrolls": 2.00, "dumplings": 3.00, "spring rolls": 2.00, "rice":
1.50, "no side": 0.00}}
    #Created a variable that tracks whether the user has entered stop or not
    flag = True
    #Create a variable that keeps track of the order number
    orderNumber = 1
    #An outer list that will have the following values: order number, order type, a
list that holds the current order list, and the total cost of the order
    finalOrders = []
    #As long as the user has not entered stop then continue
    while flag:
        #Ask whether the user would like a bowl or a plate, they may also choose to
stop
        orderType = input("Welcome to Jay's Fast Food! Would you like a bowl or a
plate? ")
        #If user input was stop then exit the while loop
        if orderType == "stop":
            flag = False
        #else if the user input was not stop then continue
        else:
            #Prompt our user to select an order type.
            print("What would you like on your " + orderType + "?")
            #Call the makerOrder() function to ask for the user's selection in each
category.
            currentOrder = makeOrder(menuItems)
            #Call the getTotal() function to get the total cost for the order.
            currentTotal = getTotal(menuItems, currentOrder)
            #Print out our current order
            printOrder(orderNumber, currentOrder, currentTotal, orderType)
            #Add our order as the inner list to our outer list
            finalOrders.append([orderNumber, orderType, currentOrder,
currentTotal])
            #Increase the order number after we make an order.
            orderNumber += 1

    #Once user enters "stop" then we print all the orders inside the 2-D list.
    printOrders(finalOrders)


main()
```