**Artificial Intelligence Lab Assignment 5**

menu = [

['Vada Pav', 15],

['Maggi', 40],

['Samosa', 20],

['Veg Pizza', 50],

['Tea', 10],

['Coffee', 15]

]

orders = []

total = 0

def displayMenu():

print("\n")

print("\t\t\t\t\t Here's our Menu")

print("\t\t\t\t -------------------------------------")

print("\t\t\t\t", "ITEMS \t|\tPRICE")

print("\t\t\t\t -------------------------------------")

for i in range(len(menu)):

print("\t\t\t\t", i + 1, ".", menu[i][0], " \t|\t", menu[i][1])

def take\_order():

displayMenu()

option = int(input("\n\t\t\t\t WHAT YOU WANT TO ORDER ? =>"))

if option > len(menu) or option < 0:

option = int(input("\n\t\t\t\t PLEASE SELECT CORRECT CHOISE =>"))

quantity = int(input(f"\n\t\t\t\t YOU HAVE SELECTED '{menu[option - 1][0]}'' ENTER QUANTITY =>"))

orders.append([option-1, quantity])

def genrateRecipt():

total = 0

print("\n\n\t\t\t\t", "ITEMS \t|\tQUANTITY \t|\t PRICE")

print("\t\t\t\t ---------------------------------------------------------------")

for i in range(len(orders)):

cost = menu[orders[i][0]][1] \* orders[i][1]

print("\t\t\t\t", i + 1, ".", menu[orders[i][0]][0], " \t|\t", orders[i][1], " \t|\t", cost)

total += cost

print("\t\t\t\t ---------------------------------------------------------------")

print(f"\t\t\t\t YOUR TOTAL AMOUNT IS Rs. {total}")

print("\t\t\t\t ---------------------------------------------------------------")

print("=======================================================================================================================================================\n\n")

print("\t\t\t\t\t FOODIES SPOT ")

print("\t\t\t\t WELCOME TO OUR RESTAURANT")

take\_order()

choise = input("\t\t\t\t DO YOU WANT TO SELECT MORE ITEMS (Y/N) ? => ")

while(choise=='Y' or choise=='y'):

take\_order()

choise = input("\t\t\t\t DO YOU WANT TO SELECT MORE ITEMS (Y/N) ? => ")

genrateRecipt()

flag = input("\t\t\t\t CONFIRM YOR ORDER (Y/N) ? => ")

if flag=='y' or flag=='Y':

print("\t\t\t\t THANK YOU FOR YOUR ORDER !!!")

else:

print("\t\t\t\t THANK YOU !!!")

**Output:**

PS C:\Users\hp\Desktop\AI> python assi5.py

=======================================================================================================================================================

FOODIES SPOT

WELCOME TO OUR RESTAURANT

Here's our Menu

-------------------------------------

ITEMS | PRICE

-------------------------------------

1 . Vada Pav | 15

2 . Maggi | 40

3 . Samosa | 20

4 . Veg Pizza | 50

5 . Tea | 10

6 . Coffee | 15

WHAT YOU WANT TO ORDER ? =>3

YOU HAVE SELECTED 'Samosa'' ENTER QUANTITY =>4

DO YOU WANT TO SELECT MORE ITEMS (Y/N) ? =>n

PS C:\Users\hp\Desktop\AI> python assi5.py

=======================================================================================================================================================

FOODIES SPOT

WELCOME TO OUR RESTAURANT

Here's our Menu

-------------------------------------

ITEMS | PRICE

-------------------------------------

1 . Vada Pav | 15

2 . Maggi | 40

3 . Samosa | 20

4 . Veg Pizza | 50

5 . Tea | 10

6 . Coffee | 15

WHAT YOU WANT TO ORDER ? =>3

YOU HAVE SELECTED 'Samosa'' ENTER QUANTITY =>5

DO YOU WANT TO SELECT MORE ITEMS (Y/N) ? => y

Here's our Menu

-------------------------------------

ITEMS | PRICE

-------------------------------------

1 . Vada Pav | 15

2 . Maggi | 40

3 . Samosa | 20

4 . Veg Pizza | 50

5 . Tea | 10

6 . Coffee | 15

WHAT YOU WANT TO ORDER ? =>1

YOU HAVE SELECTED 'Vada Pav'' ENTER QUANTITY =>2

DO YOU WANT TO SELECT MORE ITEMS (Y/N) ? => y

Here's our Menu

-------------------------------------

ITEMS | PRICE

-------------------------------------

1 . Vada Pav | 15

2 . Maggi | 40

3 . Samosa | 20

4 . Veg Pizza | 50

5 . Tea | 10

6 . Coffee | 15

WHAT YOU WANT TO ORDER ? =>6

YOU HAVE SELECTED 'Coffee'' ENTER QUANTITY =>7

DO YOU WANT TO SELECT MORE ITEMS (Y/N) ? => n

ITEMS | QUANTITY | PRICE

---------------------------------------------------------------

1 . Samosa | 5 | 100

2 . Vada Pav | 2 | 30

3 . Coffee | 7 | 105

---------------------------------------------------------------

YOUR TOTAL AMOUNT IS Rs. 235

---------------------------------------------------------------

CONFIRM YOR ORDER (Y/N) ? => y

THANK YOU FOR YOUR ORDER !!!

PS C:\Users\hp\Desktop\AI>