

# DEMANDEST-AI POWERED FOOD DEMAND FORECASTER

TEAM ID : PNT2022TMID47942

## Python coding:

```
print("\n" * 5)
```

```
import datetime
```

```
import os
```

```
list_foods = []
```

```
list_drinks = []
```

```
list_services = []
```

```
list_item_price = [0] * 100
```

```
var_discount_1 = 200
```

```
var_discount_2 = 1000
```

```
var_discount_3 = 5000
```

```
var_discount_1_rate = 0.05
```

```
var_discount_2_rate = 0.10
```

```
var_discount_3_rate = 0.15
```

```
navigator_symbol = "/"
```

```
if os.name == "nt":
```

```
navigator_symbol = "\\\"
```

```
def def_default():
```

```
    global list_drinks, list_foods, list_services, list_item_order, list_item_price
```

```
    list_item_order = [0] * 100
```

```
def def_default()
```

```
def def_main():
```

```
while True:
```

```
    print("'" * 28 + "FOOD ORDERING SYSTEM" + "'" * 24 + "\n")
```

```
    print("'" * 31 + "MAIN MENU" + "'" * 32 + "\n"
```

```
        "\t(O) ORDER\n"
```

```
        "\t(R) REPORT\n"
```

```
        "\t(P) PAYMENT\n"
```

```
        "\t(E) EXIT\n" +
```

```
        " _ " * 72)
```

```
input_1 = str(input("Please Select Your Operation: ")).upper()
```

```
if (len(input_1) == 1):
```

```
    if (input_1 == 'O'):
```

```
        print("\n" * 10)
```

```
        def_order_menu()
```

```

        break

elif (input_1 == 'R'):

    print("\n" * 10)

    def_report()

    break

elif (input_1 == 'P'):

    print("\n" * 10)

    def_payment()

    break

elif (input_1 == 'E'):

    print(""" * 32 + "THANK YOU" + "" * 31 + "\n")

    break

else:

    print("\n" * 10 + "ERROR: Invalid Input (" + str(input_1) + "). Try again!")

else:

    print("\n" * 10 + "ERROR: Invalid Input (" + str(input_1) + "). Try again!")

def def_order_menu():                                while True:

    print(""" * 31 + "ORDER PAGE" + "" * 31 + "\n"

            "\t(F) FOODS AND DRINKS\n"

            "\t(O) OTHER SERVICES\n"

            "\t(M) MAIN MENU\n"

            "\t(E) EXIT\n" +

            " _ " * 72)

input_1 = str(input("Please Select Your Operation: ")).upper()

```

```

if len(input_1) == 1:

if (input_1 == 'F'):

print("\n" * 10)

def_food_drink_order()

        break

elif (input_1 == 'O'):

        print("\n" * 10)

        def_other_services()

        break

elif (input_1 == 'M'):

        print("\n" * 10)

        def_main()

        break

elif (input_1 == 'E'):

        print(""" * 32 + "THANK YOU" + "" * 31 + "\n")

        break

else:

        print("\n" * 10 + "ERROR: Invalid Input (" + str(input_1) + "). Try again!")

else:

        print("\n" * 10 + "ERROR: Invalid Input (" + str(input_1) + "). Try again!")

def def_full_file_reader():

        file_foods = open('files'+navigator_symbol+'list_foods.fsd', 'r')

for i in file_foods:

        list_foods.append(str(i.strip()))

file_foods.close()

```

```

file_drinks = open('files'+navigator_symbol+'list_drinks.fsd', 'r')

for i in file_drinks:

list_drinks.append(str(i.strip()))

file_drinks.close()


file_services = open('files'+navigator_symbol+'list_services.fsd', 'r')

for i in file_services:

list_services.append(str(i.strip()))

file_services.close()

i = 0

while i <= (len(list_foods) - 1):

    if '$' in list_foods[i]:

        list_foods[i] = str(list_foods[i][:list_foods[i].index('$') - 1]) + ' ' * (20 - (list_foods[i].index('$') - 1)) +
str(list_foods[i][list_foods[i].index('$'):])

        i += 1

    i = 0    while i <= (len(list_drinks) - 1):

if '$' in list_drinks[i]:

    list_drinks[i] = str(list_drinks[i][:list_drinks[i].index('$') - 1]) + ' ' * (20 - (list_drinks[i].index('$') - 1))
+ str(list_drinks[i][list_drinks[i].index('$'):])

    i += 1

    i = 0

while i <= (len(list_services) - 1):

if '$' in list_services[i]:

    list_services[i] = str(list_services[i][:list_services[i].index('$') - 1]) + ' ' * (20 -
(list_services[i].index('$') - 1)) + str(list_services[i][list_services[i].index('$'):])

```

```

        i += 1

def _full_file_reader()

def _file_sorter():
    global list_foods, list_drinks, list_services

    list_foods = sorted(list_foods)
    list_drinks = sorted(list_drinks)
    list_services = sorted(list_services)

    i = 0
    while i < len(list_foods):
        list_item_price[i] = float(list_foods[i][int(list_foods[i].index("$") + 2):])
        i += 1

    i = 0
    while i < len(list_drinks):
        list_item_price[40 + i] = float(list_drinks[i][int(list_drinks[i].index("$") + 2):])
        i += 1

    i = 0
    while i < len(list_services):
        list_item_price[80 + i] = float(list_services[i][int(list_services[i].index("$") + 2):])
        i += 1

def _file_sorter()

def _food_drink_order():
    while True:
        print(""" * 26 + "ORDER FOODS & DRINKS" + "" * 26)

        print(" |NO| |FOOD NAME|      |PRICE| | |NO| |DRINK NAME|      |PRICE|")

```

```

i = 0

while i < len(list_foods) or i < len(list_drinks):

    var_space = 1

    if i <= 8:

        var_space = 2

    if i < len(list_foods):

        food = " (" + str(i + 1) + ")" + " " * var_space + str(list_foods[i]) + " | "

    else:

        food = " " * 36 + "| "

    if i < len(list_drinks):

        drink = "(" + str(41 + i) + ")" + " " + str(list_drinks[i])

    else:

        drink = ""

    print(food, drink)

    i += 1


print("\n (M) MAIN MENU          (P) PAYMENT          (E) EXIT\n" + " " * 72)


input_1 = input("Please Select Your Operation: ").upper()

if (input_1 == 'M'):

    print("\n" * 10)

    def_main()

    break

```

```

if (input_1 == 'E'):

    print("'" * 32 + "THANK YOU" + "'" * 31 + "\n")

    break

if (input_1 == 'P'):

    print("\n" * 10)

    def_payment()

    break

try:

    int(input_1)

    if ((int(input_1) <= len(list_foods) and int(input_1) > 0) or (int(input_1) <= len(list_drinks) + 40
    and int(input_1) > 40)):

        try:

            print("\n" + "_" * 72 + "\n" + str(list_foods[int(input_1) - 1]))

        except:

            pass

            try:

                print("\n" + "_" * 72 + "\n" + str(list_drinks[int(input_1) - 41]))

            except:

                pass

    input_2 = input("How Many You Want to Order?: ").upper()

    if int(input_2) > 0:

        list_item_order[int(input_1) - 1] += int(input_2)

        print("\n" * 10)

        print("Successfully Ordered!")

        def_food_drink_order()

        break

    else:

        print("\n" * 10 + "ERROR: Invalid Input (" + str(input_2) + "). Try again!")

    except:

```



```
print("\n" * 10 + "ERROR: Invalid Input (" + str(input_1) + "). Try again!")
```

MODEL OUTPUT:

```
C:\Windows\py.exe
*****ORDER PAGE*****
(F) FOODS AND DRINKS
(O) OTHER SERVICES
(M) MAIN MENU
(E) EXIT

Please Select Your Operation: F

*****ORDER FOODS & DRINKS*****
[NO] [FOOD NAME] [PRICE] [NO] [DRINK NAME] [PRICE]
(1) Beef Bulgogi $ 80.80 (41) Airan $ 8.50
(2) Chicken Biryani $ 35.50 (42) Coca-Cola $ 5.00
(3) Chili Pork $ 30.20 (43) Coffee Americano $ 6.50
(4) Crispy Cord $ 19.50 (44) Coffee Black Tea $ 6.50
(5) Dahl Kabab $ 50.60 (45) Coffee Cappuccino $ 6.00
(6) Egg Curry $ 35.90 (46) Coffee Caramel $ 3.00
(7) Galbitang $ 20.50 (47) Coffee Espresso $ 6.50
(8) Grilled halloumi $ 40.50 (48) Coffee Latte $ 5.50
(9) Honey Chicken $ 30.80 (49) Coffee Macchiato $ 5.00
(10) Italian Champ $ 45.50 (50) Coffee Mochachino $ 6.50
(11) Kadia Chicken $ 40.20 (51) Fanta $ 5.00
(12) Knafeh $ 32.95 (52) Milk $ 9.00
(13) Macala Chaap $ 51.80 (53) Sprite $ 5.00
(14) Mutton korma $ 45.80 (54) Tea Ahmad $ 5.50
(15) Shanklish $ 37.40 (55) Tea Black $ 4.00
(16) Shawarma $ 35.20 (56) Tea Lemon $ 4.50
(17) Singapore Noodle $ 20.40 (57) Tea Lipton $ 5.00
(18) Spring Roll $ 20.50 (58) Tea Milk $ 6.00
(19) Udon $ 20.60 (59) Tea Simba $ 8.50
(20) Veg Noodle $ 27.30 (60) Water $ 3.00

(M) MAIN MENU (P) PAYMENT (E) EXIT

Please Select Your Operation:
```