**SOURCE CODE**

**GROCERY STORE MANAGEMENT**

#GROCERY STORE MANAGEMENT

#shaily mandal 12a1

def setting():

print("Choose an Option:")

print("1). Edit Shop Name")

print ("2). Delete Products")

print("3). Back")

choice = input()

if choice == "1":

print ("Enter Shop Name:")

file = open("name1.txt","w+")

file.write(input())

file.close()

print("Shop Name Changed!"+ "\n")

elif choice == "2":

print("Enter Product Code to be deleted: ")

file = open("p\_list","r")

x = file.readlines()

file.close()

file = open("p\_list","w+")

new = []

sk = input()

for i in x:

if sk.upper() != strip(i):

new.append(i)

file.writelines(new)

file.close()

print("Deleted Successfully!")

if choice == "3":

return

def invoice():

c = open ("invoice#.txt", "a")

c.close()

f = open("p\_list","r")

p\_list = f.readlines()

p1 = []

for i in p\_list:

p1.append(strip(i))

c = open("invoice#.txt","r")

x = c.read()

c.close()

c = open("invoice#.txt","w")

if len(x) == 0:

c.write("1")

counter = 1

else:

counter = int(x)

counter = counter + 1

c.write(str(counter))

c.close()

time =0000

tim= str(time)

timee = strip(strip(strip(strip(strip(strip(strip(tim)))))))

file = open("name1.txt")

name = file.read().upper()

namep= ""

for i in name :

namep += i

namep += " "

ly = []

ny = []

a = 1

print("Available Product Codes : ",end="")

print()

m = 0

for i in p1:

m = m+1

if m == len(p1):

print (i)

else:

print(i,end=" ")

while a ==1:

print("Enter Product code:",end=" ")

p = input()

if p.upper() not in p1:

print ("No Such Product Found!" + " Please Try Again")

pass

ly.append(p.upper())

print("Quantity:")

while True:

try:

c = float((input()))

ny.append(c)

break

except:

print("Quantity can only be Integer or Float! Please Add Again")

print ("Enter 1 to Stop adding product or press any other key to add more")

if input() == "1":

print ("Enter Discount(in %)")

dis = float(input())

break

p\_list = []

for i in range (len(ly)):

p\_list.append(ly[i])

maxi = 0

s\_list = []

a\_list = []

for i in p\_list:

x =""

for j in range (0,len(i)):

x = x + i[j]

file = open(x+".txt")

file.readline()

s\_list.append(len(file.readline()))

a\_list.append(x)

file.close()

x = open("invoice.txt","w+")

if max(s\_list) < 12:

maxi = 12

else:

maxi = max(s\_list)

l = " " + "S.no" + " "\*2+ "Product Name" + " "\*(maxi-10) + "Price" + " "\*4 + "GST(%)" + " "\*2 +"Quantity" + " "+ "Total"+" "

f = len(l)

z = int((f - len(namep))/2)

v = int((f - len("INVOICE"))/2)

w = int((f - len(timee))/2)

s = int((f - 9 - len(str(counter)))/2)

j = " "\*z

x.write(j)

x.write(namep+"\n")

x.write (" "\*v + "INVOICE" + "\n"\*2)

x.write(" "\*w + timee + "\n")

x.write(" "\*s + "Invoice#" + " " + str(counter)+"\n"\*3)

x.write((" " + "S.no" + " "\*2+ "Product Name" + " "\*(maxi-10) + "Price" + " "\*4 + "GST(%)" + " "\*2 +"Quantity" + " "+ "Total"+" ")+"\n"+"\n")

t = 0

disc = 0

for i in p\_list:

t = t+1

s\_no = t

code = i

file = open(i+".txt","r")

code = strip(file.readline())

name = strip(file.readline())

price = int(strip(file.readline()))

gst = int(strip(file.read()))

qt = (ny[t-1])

x.write((" " + str(s\_no) + ")." + " "\*(4-len(str(s\_no))) + name + " "\*(maxi +2-len(name)) + str(price) + " "\*(9-len(str(price))) + str(gst) + " "\* (8-len(str(gst))) + str(qt) + " "\* (10 - len(str(qt))) + str(round((price\*float(qt)+price\*gst\*int(qt)/100),2)) + "\n"))

dc = price\*float(qt)+price\*gst\*float(qt)/100

disc = disc + dc

d = disc\*dis\*0.01

x.write("\n")

x.write(" "\*len(" " + "S.no" + " "\*2+ "Product Name" + " "\*(maxi-10) + "Price" + " "\*4 + "GST(%)" + " ") +" "+ "Discount:" + " " + str(round(d,2))+"\n")

x.write(" "\*len(" " + "S.no" + " "\*2+ "Product Name" + " "\*(maxi-10) + "Price" + " "\*4 + "GST(%)" + " ") +" "+ "Net Payable:" + " " + str(round(disc-d,2))+"\n"\*4)

x.write ("\*. This is a Computer Generated Invoice and does not require Signature."+"\n")

x.write("\*. Return/Replacement is not allowed under any circumstances."+"\n")

x.write("\n"+"Thanks for shopping with us")

file.close()

x.close()

print ("Invoice Saved Successfully in Invoice.txt at Desktop.")

print("Net Payable : ",round((disc-d),2))

print("Press Any Key to continue!")

input()

def strip(a):

x = ""

for i in range(0,len(a)-1):

x = x + a[i]

return(x)

def add():

name = input("Enter name of Product: ")

while(True):

try:

s = int(input("Enter Selling Price(Excluding GST): "))

g = int(input("Enter GST (in %): "))

n1 = input("Choose a Product code(Any alphanumeric character(Except spaces) to be used for Product Indentification): ")

le = open("p\_list","r")

if n1.upper()+"\n" in le.readlines():

print("Product Already Exist!")

le.close()

return

break

except:

print("Only Numerical Values are allowed in Selling Price and GST")

f\_name = n1.upper()+".txt"

file = open(f\_name,"w+")

w = n1.upper() + "\n" + name + "\n" + str(s) + "\n"+ str(g) + "\n"

file.write(w)

file.close()

file = open("p\_list","a+")

file.write(n1.upper()+"\n")

file.close()

print("")

print("Product added Successfully!")

print("")

print ("Press any key to Continue to Main Menu")

if (len(input())!= 0):

return

def view():

maxi = 0

file = open("p\_list","r")

if len(file.read()) == 0:

print("Product List Empty!")

print("Press any key to continue!")

input()

return

file.close()

file = open("p\_list","r")

p\_list = file.readlines()

s\_list = []

a\_list = []

for i in p\_list:

x = ""

for j in range (0,len(i)-1):

x = x + i[j]

file = open(x+".txt")

file.readline()

s\_list.append(len(file.readline()))

a\_list.append(x)

file.close()

if max(s\_list) < 12:

maxi = 12

else:

maxi = max(s\_list)

print(" " + "S.no" + " "\*2+ "Product Name" + " "\*(maxi-10) + "Price" + " "\*4 + "GST(%)" + " "\*2 + "Product Code"+" ")

t = 0

for i in a\_list:

t = t+1

s\_no = t

code = i

file = open(i+".txt","r")

code = strip(file.readline())

name = strip(file.readline())

price = strip(file.readline())

gst = strip(file.read())

print(" " + str(s\_no) + ")." + " "\*(4-len(str(s\_no))) + name + " "\*(maxi +2-len(name)) + price + " "\*(9-len(str(price))) + gst ,end="")

g = 8 - len(str(gst))

print(" "\*g + code)

print("")

print ("Press any key to Continue to Main Menu")

if (len(input())!= 0):

return

while True:

file = open("p\_list","a+")

file.close()

file = open("name1.txt","a")

file.close()

file = open("name1.txt","r")

s = file.read()

file.close()

if len(s) == 0:

s\_name = str(input("Enter name of Shop :"))

file = open("name1.txt","w")

file.write(s\_name)

file.close()

file = open("name1.txt","r")

k = file.read()

j = " "

for i in k:

j = j+i

j = j + " "

print("\t\t| GROCERY STORE MANAGEMENT |")

print("\t\t\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

print()

print("\t\t| OWNER:SHAILY MANDAL |")

print("\t\t\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_")

print()

print()

print ("|"+j.upper()+"|")

for i in range (2):

print("")

print("Select an Option:")

print("1). Generate Invoice")

print("2). Add a new Product")

print ("3). Veiw all the Products")

print ("4). view the Settings")

print ("5). Exit")

print("")

while(True):

try:

choice = int(input("Your Choice : "))

break

except:

print("Choose correct Option! ")

if choice ==2:

add()

elif choice == 3:

view()

elif choice == 1:

invoice()

elif choice == 5:

print ("Program Closed!")

break

elif choice == 4:

setting()

else:

print("Choose Correct Option!"+"\n")

**OUTPUT SCREENSHOTS**

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