Code

```
################## M O D U L E S ###################

#mysql connector module

import mysql.connector
mydb = mysql.connector.connect(
  host=”localhost”,
  user=”root”,
  password=”sony1212”,
  database=”project”
)


#datetime module

import datetime

#image module

from PIL import Image

#csv module

import csv

################## M E N U ###################

val = [
  (1, ‘Banana Pancake’, ‘Pancakes’, 200),
  (2, ‘Oatmeal Pancake with Cinnamon Apples’, ‘Pancakes’, 250),
  (3, ‘Blueberry Lemon Ricotta Pancake’, ‘Pancakes’, 300),
  (4, ‘Original Classic Pancake’, ‘Pancakes’, 200),
  (5, ‘Chocolate Chip Pancake’, ‘Pancakes’, 250),
  (6, ‘Cinnamon Roll Pancake’, ‘Pancakes’, 200),
  (7, ‘Strawberry Buttermilk Pancake’, ‘Pancakes’, 275),
  (8, ‘Oreo Pancake’, ‘Pancakes’, 250),
```

```
  (9, 'Red Velvet Pancake','Pancakes',300),
  (10,'Key Lime Pancake','Pancakes',300),
  (11,'Cookies & Cream Waffle','Waffles',350),
  (12,'Cinnamon Roll Waffle','Waffles',350),
  (13,'Rocky Road Waffle','Waffles',350),
  (14,'Black Forest Cherry Waffle','Waffles',350),
  (15,'Vanilla Berry Waffle','Waffles',300),
  (16,'Oreo Waffle','Waffles',350),
  (17,'Strawberry Waffle','Waffles',300),
  (18,'Chocolate Chip Waffle','Waffles',300),
  (19,'Blueberry Waffle','Waffles',300),
  (20,'Original Classic Waffle','Waffles',275),
  (21,'Green Bean Sandwich','Sandwiches',200),
  (22,'Pickle Veggi Sandwich','Sandwiches',200),
  (23,'Loaded Scrambled Egg Sandwich','Sandwiches',220),
  (24,'Smoked Tofu Sandwich','Sandwiches',250),
  (25,'Grilled Cheese Sandwich','Sandwiches',175),
  (26,'Lettuce & Corn Sandwich','Sandwiches',150),
  (27,'Grilled Paneer Sandwich','Sandwiches',175),
  (28,'Plant Based Italian Sandwich','Sandwiches',250),
(29,'GrilledBroccoliandMozerellaCheeseSandwich','Sandwiches',250),
  (30,'Classic Indian Style Sandwich','Sandwiches',200),
  (31,'Banana Milkshake','Milkshakes & Coolant Drinks',150),
  (32,'Strawberry Milkshake','Milkshakes & Coolant Drinks',150),
  (33,'Oreo Milkshake','Milkshakes & Coolant Drinks',150),
  (34,'Vanilla Mint Milkshake','Milkshakes & Coolant Drinks',150),
  (35,'Rasberry Milshake','Milkshakes & Coolant Drinks',150),
  (36,'Lime Soda','Milkshakes & Coolant Drinks',100),
  (37,'Cranberry Spritzer','Milkshakes & Coolant Drinks',175),
  (38,'Rasberry Fizz','Milkshakes & Coolant Drinks',200),
  (39,'Sparkling Water','Milkshakes & Coolant Drinks',100),
  (40,'Italian Sweet Soda','Milkshakes & Coolant Drinks',150),
  (41,'Choco Chip Cookie','Bakery',30),
  (42,'Raisin Cookie','Bakery',30),
  (43,'Glazed Doughnut','Bakery',50),
  (44,'Cinnamon Doughnut','Bakery',50),
  (45,'Custard Filled Doughnut', 'Bakery',60),
  (46,'Classic Original Croissant','Bakery',70),
  (47,'Melted Chocolate Croissant','Bakery',75),
  (48,'Jam Filled Croissant','Bakery',75),
  (49,'Cottage Cheese Puff Pastry','Bakery',70),
```

```
  (50,'Caramelised Green Apple Puff Pastry','Bakery',80),
  (51,'French Fries','Sides',50),
  (52,'Hash Brown','Sides',50),
  (53,'Potato Puff','Sides',50),
  (54,'Glazed Strawberry','Sides',50),
  (55,'Classic Side Salad','Sides',75),
  (56,'Coleslaw','Sides', 75),
  (57,'Garlic Bread','Sides',50),
  (58,'Chargrilled Veggies','Sides',75),
  (59,'Cheese Sticks','Sides',50),
  (60,'Hummus Bagel','Sides',100),

]

################## F U N C T I O N S ####################


#member verification
#status: OPERATIONAL

def memberverify():
    global memid
    memid = int(input("Enter Member ID"))
    print("You entered ", memid)
    try:
        cursor = mydb.cursor()
      sql = "select * from membershipdetails where membershipid="
+ str(memid)+";"
        cursor.execute(sql)
        r=cursor.fetchone()
        print("Your details are: ", r)
        global cust_name
        global cust_no
        cust_name = r[1]
        cust_no = r[3]
        global memberconfirm
        memberconfirm = 1
    except Exception as e:
        print(e)

#register a member
```

```
#status: OPERATIONAL

def registerprocess():
    try:
        mycursor = mydb.cursor()
        f1=input(“membershipid”)
        f2=input(“name”)
        f3=input(“dob in yyyy-mm-dd format”)
        f4=input(“phone number”)
       sql = “INSERT INTO membershipdetails VALUES (%s, %s, %s,
%s)”
        l = (f1,f2,f3,f4)
        mycursor.execute(sql,l)
        mydb.commit()

    except Exception as e:
        print(e)


#adding a dish
#status: OPERTIONAL

def adddish():
    print(“Adding a Dish”)
   im = Image.open(r”/Users/pranavjain/Desktop/Projects/JY Pancake
House/JY Pancake House Final Proposal-01.png”)
    im.show()
    try:
        mycursor = mydb.cursor()
        v1=input(“Enter DishID”)
        v2=input(“Enter Qty”)
        sql = “INSERT INTO billtest VALUES (%s, %s)”
        l = (v1,v2)
        mycursor.execute(sql,l)
        mydb.commit()
        print(“Added”)
    except Exception as e:
        print(e)

#modify the quantity of a dish
#status: OPERTIONAL
```

```
def modifyqty():
    print("Modify Quantity")
    try:
        mycursor = mydb.cursor()
       sql = "select b.dishid, qty, dishname, price from billtest
b, menu m where m.dishid=b.dishid;"
        mycursor.execute(sql)
        print("Here is your current order")
        r=mycursor.fetchall()
        t=0
        print(r)
        while t < len(r):
            print("DishID",r[t][0])
            print("Name",r[t][2])
            print("QTY",r[t][1])
            t=t+1
        mydb.commit()
    except Exception as e:
          print(e)
    modifydishid = int(input("Enter Dish ID"))
    modifyqty = int(input("Enter New Qty"))
    try:
        mycursor = mydb.cursor()
       sql = "Update billtest set qty='"+ str(modifyqty) +"' where
dishid="+ str(modifydishid) +";"
        #print(sql)
        mycursor.execute(sql)
        print("Record Updated")
        mydb.commit()
    except Exception as e:
          print(e)


#delete the billing of a dish
#status: OPERTIONAL

def deletedish():
    print("Delete Dish")
    try:
        mycursor = mydb.cursor()
```

```
        sql = “select b.dishid, qty, dishname, price from billtest
b, menu m where m.dishid=b.dishid;”
        mycursor.execute(sql)
        print(“Here is your current order”)
        r=mycursor.fetchall()
        t=0
        print(r)
        while t < len(r):
            print(“DishID”,r[t][0])
            print(“Name”,r[t][2])
            print(“QTY”,r[t][1])
            t=t+1
        mydb.commit()
    except Exception as e:
          print(e)
    try:
        mycursor = mydb.cursor()
        del1=input(“Enter dishid to be deleted”)
        sql = “delete from billtest where dishid=” + str(del1) +
“;”
        mycursor.execute(sql)
        mydb.commit()
        print(“Dish Deleted”)
    except Exception as e:
        print(e)


#printing the bill
#status: OPERATIONAL

def printing():

    ################ F I L E   N A M E ####################

    print(“Processing bill”)
    datetime_object = datetime.datetime.now()
    print(datetime_object)
    filename = str(datetime_object)+”.csv”
    filenametxt = str(datetime_object)+”.txt”
    print(filename)
```

```
   ########### G E T  F I N A L  B I L L  +  C S V ###############

    f=open(filename, mode="a")
    mywriter = csv.writer(f, delimiter = ",")
    try:
        cursor = mydb.cursor()
       sql = "select * from menu m, billtest b where m.dishid=b.
dishid;"
        cursor.execute(sql)
        r=cursor.fetchall()
        print(r)
        global sumy

        sumy = 0
        i=0
        while i < len(r):
            a = r[i][3]*r[i][5]
            print("total of " + r[i][1] + str(a))
            sumy = sumy + a
            i=i+1
            dishname = r[i-1][1]
            dishqty = r[i-1][5]
            dishprice = r[i-1][3]
            dishtotal = dishprice*dishqty
        mywriter.writerow([dishname,dishqty,dishprice,dishtotal])

        print("total is" ,sumy)
        f.close()

        ########### L O Y A L T Y ###############

        if memberconfirm == 1:
            global pdeduct
            pdeduct = 0
            global inrdeduct
            inrdeduct = 0

            try:
                cursor = mydb.cursor()
                  sql = "select points from loyaltypoints where
membershipid ="+str(memid)+";"
```

```
                cursor.execute(sql)
                r=cursor.fetchall()
              print("Available points ", r[0][0], "which evaluate
to INR ", r[0][0]*0.4)
               puse = input("do you want to use your points for
this transaction y/n")
                if puse == "y":
                    while pdeduct <= r[0][0]:
                          pdeduct = int(input("Enter the no. of
points to be deducted"))
                        inrdeduct = pdeduct*0.4
                     print(pdeduct, "points are being deducted",
inrdeduct, "INR reduced")
                        try:
                            mycursor = mydb.cursor()
                         sql = "update loyaltypoints set points
= points-" +str(pdeduct)+ " where membershipid="+str(memid)+";"
                            #print(sql)
                            mycursor.execute(sql)
                            print("Record Updated")
                            mydb.commit()
                        except Exception as e:
                              print(e)

                        break
            except Exception as e:
                print(e)

             ################ P R I N T I N G ( M E M B E R )
####################

            f2=open(filename, mode="r")
            x=csv.reader(f2, delimiter=",")
            global hi
            hi=" "

            print (" ")
            print ("INVOICE")
            print ("=" * 55)
            print(datetime_object)
                 print ("%25s"%cust_name, "%5s"%hi, "%10s"%hi,
```

```
“%10s”%cust_no)
            print (“=” * 55)
              print (“%25s”%”Item”, “%5s”%”Qty”, “%10s”%”Rate”,
“%10s”%”Total”)
            print (“=” * 55)
            for i in x:
                 print (“%25s”%i[0],”%5s”%i[1],”%10s”%i[2],”%10s”
%i[3])
            print (“=” * 55)

            gst = (sumy/100)*15
            memdisc = (sumy/20)
            gtotal = (sumy+(2*gst))-memdisc-inrdeduct

            add_loyaltypoints()

       print (“%25s”%”Total”,”%5s”%hi,”%10s”%hi,”%10s”%float(sumy))
              print (“%25s”%”Member Discount”,”%5s”%hi,”%10s”%”-
”,”%10s”%memdisc)
                                          print   (“%25s”%”Points
Earned”,”%5s”%hi,”%10s”%hi,”%10s”%pointsearned)
      print (“%25s”%”Evaluation of Points Used”,”%5s”%hi,”%10s”%”-
”,”%10s”%inrdeduct)
             print (“%25s”%”CGST(15%)”,”%5s”%hi,”%10s”%hi,”%10s”%
gst)
             print (“%25s”%”SGST(15%)”,”%5s”%hi,”%10s”%hi,”%10s”%
gst)
            print (“=” * 55)
  print(“%25s”%”GRAND TOTAL”,”%5s”%hi,”%10s”%”INR”,”%10s”%gtotal)
            print (“=” * 55)

            f2.close()

              ############### S T O R A G E ( M E M B E R )
###################

            f3 = open(filenametxt, “a”)
            f2=open(filename, mode=”r”)
            x=csv.reader(f2, delimiter=”,”)

            f3.write(“INVOICE \n”)
```

```
            f3.write("=" * 55)
            f3.write("\n")
            f3.write(str(datetime_object))
            f3.write("\n")
            f3.write(cust_name)
            f3.write("\n")
            f3.write(cust_no)
            f3.write("\n")
            f3.write("=" * 55)
            f3.write("\n")
                    f3.writelines("%25s"%"Item""\t""%5s"%"Qty""\
t""%10s"%"Rate""\t""%10s"%"Total")
            f3.write("\n")
            f3.write("=" * 55)

            final=()
            for i in x:
                global aa
                global bb
                global cc
                global dd
                aa=i[0]
                bb=i[1]
                cc=i[2]
                dd=i[3]
                final = aa+"\t"+bb+"\t"+cc+"\t"+dd
                f3.write("\n")
                #print(final)

                f3.write(str(final))
                f3.write("\n")

            f3.write("=" * 55)
            f3.write("\n")
           f3.write("%25s"%"Total"+'\t'+"%5s"%hi+'\t'+"%10s"%hi+'\
t'+"%10s"%float(sumy))
            f3.write("\n")
              f3.write("%25s"%"Member Discount"+"\t"+"%5s"%hi+"\
t"+"%10s"%"-"+"\t"+"%10s"%memdisc)
            f3.write("\n")
                f3.write("%25s"%"Points  Earned"+"\t"+"%5s"%hi+"\
```

```
t”+”%10s”%hi+”\t”+”%10s”%pointsearned)
            f3.write(“\n”)
                 f3.write(“%25s”%”Evaluation of Points Used”+”\
t”+”%5s”%hi+”\t”+”%10s”%”-”+”\t”+”%10s”%inrdeduct)
            f3.write(“\n”)
       f3.write(“%25s”%”CGST(15%)”+”\t”+”%5s”%hi+”\t”+”%10s”%hi+”\
t”+”%10s”%gst)
            f3.write(“\n”)
       f3.write(“%25s”%”SGST(15%)”+”\t”+”%5s”%hi+”\t”+”%10s”%hi+”\
t”+”%10s”%gst)
            f3.write(“\n”)
            f3.write(“=” * 55)
            f3.write(“\n”)
                  f3.write(“%25s”%”GRAND TOTAL”+”\t”+”%5s”%hi+”\
t”+”%10s”%”INR”+”\t”+”%10s”%gtotal)
            f3.write(“\n”)
            f3.write(“=” * 55)

            f2.close()
            f3.close()

            print(“Data Saved”)

        ################ P R I N T I N G ( N O N – M E M B E R
) ###################

        else:
            f2=open(filename, mode=”r”)
            x=csv.reader(f2, delimiter=”,”)

            print (“ “)
            print (“INVOICE”)
            print (“=” * 55)
            print(datetime_object)
            print (“=” * 55)
              print (“%25s”%”Item”, “%5s”%”Qty”, “%10s”%”Rate”,
“%10s”%”Total”)
            print (“=” * 55)
            for i in x:
                 print (“%25s”%i[0],”%5s”%i[1],”%10s”%i[2],”%10s”
%i[3])
```

```
            print (“=” * 55)
            hi=” “
            hi2=”N/A”
            gst = (sumy/100)*15
            gtotal = (sumy+(2*gst))

           print (“%25s”%”Total”,”%5s”%hi,”%10s”%hi,”%10s”%sumy)
    print (“%25s”%”Member Discount”,”%5s”%hi,”%10s”%hi,”%10s”%hi2)
             print (“%25s”%”CGST(15%)”,”%5s”%hi,”%10s”%hi,”%10s”%
gst)
             print (“%25s”%”SGST(15%)”,”%5s”%hi,”%10s”%hi,”%10s”%
gst)
            print (“=” * 55)
     print (“%25s”%”GRAND TOTAL”,”%5s”%hi,”%10s”%hi,”%10s”%gtotal)
            print (“=” * 55)

            f2.close()

            ################ S T O R A G E ( N O N – M E M B E
R ) ####################

            f3 = open(filenametxt, “a”)
            f2=open(filename, mode=”r”)
            x=csv.reader(f2, delimiter=”,”)

            f3.write(“INVOICE \n”)
            f3.write(“=” * 55)
            f3.write(“\n”)
            f3.write(str(datetime_object))
            f3.write(“\n”)
            f3.write(“Open Order”)
            f3.write(“\n”)
            f3.write(“=” * 55)
            f3.write(“\n”)
                    f3.writelines(“%25s”%”Item””\t””%5s”%”Qty””\
t””%10s”%”Rate””\t””%10s”%”Total”)
            f3.write(“\n”)
            f3.write(“=” * 55)

            final=()
            for i in x:
```

```
                global aaa
                global bbb
                global ccc
                global ddd
                aaa=i[0]
                bbb=i[1]
                ccc=i[2]
                ddd=i[3]
                final = aaa+"\t"+bbb+"\t"+ccc+"\t"+ddd
                f3.write("\n")
                #print(final)

                f3.write(str(final))
                f3.write("\n")

            f3.write("=" * 55)
            f3.write("\n")
           f3.write("%25s"%"Total"+'\t'+"%5s"%hi+'\t'+"%10s"%hi+'\
t'+"%10s"%float(sumy))
            f3.write("\n")
       f3.write("%25s"%"CGST(15%)"+"\t"+"%5s"%hi+"\t"+"%10s"%hi+"\
t"+"%10s"%gst)
            f3.write("\n")
       f3.write("%25s"%"SGST(15%)"+"\t"+"%5s"%hi+"\t"+"%10s"%hi+"\
t"+"%10s"%gst)
            f3.write("\n")
            f3.write("=" * 55)
            f3.write("\n")
                  f3.write("%25s"%"GRAND  TOTAL"+"\t"+"%5s"%hi+"\
t"+"%10s"%"INR"+"\t"+"%10s"%gtotal)
            f3.write("\n")
            f3.write("=" * 55)

            f2.close()
            f3.close()

            print("Data saved")

    except Exception as e:
        print(e)
```

```
#loyalty points addition
#status: OPERATIONAL

def add_loyaltypoints():
    try:
        #membertotal = sumy-(sumy/10)
        #print("The new total for member is", membertotal)
        global pointsearned
        pointsearned = (sumy/100)*15
     #print("The points loyalty points earned are", pointsearned)
        pi = pointsearned
        mycursor = mydb.cursor()
      sql = "update loyaltypoints set points = points +"+str(pi)+"
where membershipid ="+ str(memid)+";"
        #print(sql)
        mycursor.execute(sql)
        print("Points added")
        mydb.commit()
    except Exception as e:
        print(e)

#cancellation
#status: OPERATIONAL

def printbill_cancel():
    print("Cancelling the Bill")
    datetime_object = datetime.datetime.now()
    print(datetime_object)
    filename = str(datetime_object)+".csv"
    filenametxt = str(datetime_object)+".txt"
    print(filename)

    print("1. Order Delayed")
    print("2. Bad Food")
    print("3. Unpleasant Service")
    print("4. Hygiene")
    print("5. Emergency, I gotta go!")
    print("6. Other")

    cancelchoice = int(input("Please choose a reason to cancel"))
```

```
    global cancelreason

    if (cancelchoice <= 4) or (cancelchoice == 6):
        if cancelchoice == 1:
            cancelreason = input("Please describe your issue")
            print("Really sorry for the delay.")
        elif cancelchoice == 2:
            cancelreason = input("Please describe your issue")
            print("Really sorry for the bad food.")
        elif cancelchoice == 3:
            cancelreason = input("Please describe your issue")
            print("Really sorry for the unpleasant service.")
        elif cancelchoice == 4:
            cancelreason = input("Please describe your issue")
            print("Really sorry for the poor hygiene")
        else:
            cancelreason = input("Please describe your issue")
            print("Registered. Really sorry for the same.")


        f=open(filename, mode="a")
        mywriter = csv.writer(f, delimiter = ",")
        try:
            cursor = mydb.cursor()
                sql = "select * from menu m, billtest b where
m.dishid=b.dishid;"
            cursor.execute(sql)
            r=cursor.fetchall()
            #print(r)
            global sumy

            sumy = 0
            i=0
            while i < len(r):
                a = r[i][3]*r[i][5]
                print("total of " + r[i][1] + str(a))
                sumy = sumy + a
                i=i+1
                dishname = r[i-1][1]
                dishqty = r[i-1][5]
                dishprice = r[i-1][3]
```

```
                dishtotal = dishprice*dishqty
            mywriter.writerow([dishname,dishqty,dishprice,dishtotal])

                print("total is" ,sumy)
                f.close()
            except Exception as e:
                print(e)

            ############### P R I N T I N G ###################

            f2=open(filename, mode="r")
            x=csv.reader(f2, delimiter=",")
            global hi
            hi=" "

            print (" ")
            print ("INVOICE - CANCELLED")
            print ("=" * 55)
            print(datetime_object)
            print (cancelreason)
            print ("=" * 55)
                 print  ("%25s"%"Item",  "%5s"%"Qty",  "%10s"%"Rate",
"%10s"%"Total")
            print ("=" * 55)
            for i in x:
                print ("%25s"%i[0],"%5s"%i[1],"%10s"%i[2],"%10s"%i[3])
            print ("=" * 55)

            gst = (sumy/100)*15
            memdisc = (sumy/20)
            gtotal = (sumy+(2*gst))

           print ("%25s"%"Total","%5s"%hi,"%10s"%hi,"%10s"%float(sumy))
            print ("%25s"%"CGST(15%)","%5s"%hi,"%10s"%hi,"%10s"%gst)
            print ("%25s"%"SGST(15%)","%5s"%hi,"%10s"%hi,"%10s"%gst)
            print ("=" * 55)
      print ("%25s"%"GRAND TOTAL","%5s"%hi,"%10s"%"INR","%10s"%gtotal)
            print ("=" * 55)

            f2.close()
```

```
        ################ S T O R A G E ###################

        f3 = open(filenametxt, “a”)
        f2=open(filename, mode=”r”)
        x=csv.reader(f2, delimiter=”,”)

        f3.write(“INVOICE \n”)
        f3.write(“=” * 55)
        f3.write(“\n”)
        f3.write(str(datetime_object))
        f3.write(“\n”)
        f3.write(cancelreason)
        f3.write(“\n”)
        f3.write(“=” * 55)
        f3.write(“\n”)
    f3.writelines(“%25s”%”Item””\t””%5s”%”Qty””\t””%10s”%”Rate””\
t””%10s”%”Total”)
        f3.write(“\n”)
        f3.write(“=” * 55)

        final=()
        for i in x:
            global aa
            global bb
            global cc
            global dd
            aa=i[0]
            bb=i[1]
            cc=i[2]
            dd=i[3]
            final = aa+”\t”+bb+”\t”+cc+”\t”+dd
            f3.write(“\n”)
            #print(final)

            f3.write(str(final))
            f3.write(“\n”)

        f3.write(“=” * 55)
        f3.write(“\n”)
           f3.write(“%25s”%”Total”+’\t’+”%5s”%hi+’\t’+”%10s”%hi+’\
t’+”%10s”%float(sumy))
```

```
        f3.write("\n")
       f3.write("%25s"%"CGST(15%)"+"\t"+"%5s"%hi+"\t"+"%10s"%hi+"\
t"+"%10s"%gst)
        f3.write("\n")
       f3.write("%25s"%"SGST(15%)"+"\t"+"%5s"%hi+"\t"+"%10s"%hi+"\
t"+"%10s"%gst)
        f3.write("\n")
        f3.write("=" * 55)
        f3.write("\n")
                 f3.write("%25s"%"GRAND  TOTAL"+"\t"+"%5s"%hi+"\
t"+"%10s"%"INR"+"\t"+"%10s"%gtotal)
        f3.write("\n")
        f3.write("=" * 55)

        f2.close()
        f3.close()

        print("Data Saved")


    elif cancelchoice == 5:
        print("We hope everythings alright.")
        f=open(filename, mode="a")
        mywriter = csv.writer(f, delimiter = ",")
        try:
            cursor = mydb.cursor()
                sql = "select * from menu m, billtest b where
m.dishid=b.dishid;"
            cursor.execute(sql)
            r=cursor.fetchall()
            #print(r)
            global sumyy

            sumyy = 0
            i=0
            while i < len(r):
                a = r[i][3]*r[i][5]
                print("total of " + r[i][1] + str(a))
                sumyy = sumyy + a
                i=i+1
                dishname = r[i-1][1]
```

```
                dishqty = r[i-1][5]
                dishprice = r[i-1][3]
                dishtotal = dishprice*dishqty
            mywriter.writerow([dishname,dishqty,dishprice,dishtotal])

            except Exception as e:
                print(e)

            print("total is" ,sumyy)
            f.close()


            ############### P R I N T I N G ###################

            f2=open(filename, mode="r")
            x=csv.reader(f2, delimiter=",")
            global hii
            hii=" "

            print (" ")
            print ("INVOICE - CANCELLED")
            print ("=" * 55)
            print(datetime_object)
            print ("Emergency")
            print ("=" * 55)
                 print  ("%25s"%"Item",  "%5s"%"Qty",  "%10s"%"Rate",
"%10s"%"Total")
            print ("=" * 55)
            for i in x:
                print ("%25s"%i[0],"%5s"%i[1],"%10s"%i[2],"%10s"%i[3])
            print ("=" * 55)

            gst = (sumyy/100)*15
            memdisc = (sumyy/20)
            gtotal = (sumyy+(2*gst))

        print ("%25s"%"Total","%5s"%hii,"%10s"%hii,"%10s"%float(sumyy))
            print ("%25s"%"CGST(15%)","%5s"%hii,"%10s"%hii,"%10s"%gst)
            print ("%25s"%"SGST(15%)","%5s"%hii,"%10s"%hii,"%10s"%gst)
             print ("=" * 55)
      print ("%25s"%"GRAND TOTAL","%5s"%hii,"%10s"%"INR","%10s"%gtotal)
```

```
        print (“=” * 55)

        f2.close()

        ################ S T O R A G E ###################

        f3 = open(filenametxt, “a”)
        f2=open(filename, mode=”r”)
        x=csv.reader(f2, delimiter=”,”)

        f3.write(“INVOICE \n”)
        f3.write(“=” * 55)
        f3.write(“\n”)
        f3.write(str(datetime_object))
        f3.write(“\n”)
        f3.write(“Emergency”)
        f3.write(“\n”)
        f3.write(“=” * 55)
        f3.write(“\n”)
    f3.writelines(“%25s”%”Item””\t””%5s”%”Qty””\t””%10s”%”Rate””\
t””%10s”%”Total”)
        f3.write(“\n”)
        f3.write(“=” * 55)

        final=()
        for i in x:
            global aaa
            global bbb
            global ccc
            global ddd
            aaa=i[0]
            bbb=i[1]
            ccc=i[2]
            ddd=i[3]
            final = aaa+”\t”+bbb+”\t”+ccc+”\t”+ddd
            f3.write(“\n”)
            #print(final)

            f3.write(str(final))
            f3.write(“\n”)
```

```
        f3.write("=" * 55)
        f3.write("\n")
          f3.write("%25s"%"Total"+'\t'+"%5s"%hii+'\t'+"%10s"%hii+'\
t'+"%10s"%float(sumyy))
        f3.write("\n")
     f3.write("%25s"%"CGST(15%)"+"\t"+"%5s"%hii+"\t"+"%10s"%hii+"\
t"+"%10s"%gst)
        f3.write("\n")
     f3.write("%25s"%"SGST(15%)"+"\t"+"%5s"%hii+"\t"+"%10s"%hii+"\
t"+"%10s"%gst)
        f3.write("\n")
        f3.write("=" * 55)
        f3.write("\n")
                f3.write("%25s"%"GRAND  TOTAL"+"\t"+"%5s"%hii+"\
t"+"%10s"%"INR"+"\t"+"%10s"%gtotal)
        f3.write("\n")
        f3.write("=" * 55)

        f2.close()
        f3.close()

        print("Data Saved")


    else:
        print("Invalid Entry")

#trucating bill table
#status: OPERATIONAL

def truncate():
    print(" ")
    try:
        cursor = mydb.cursor()
        sql = "truncate billtest"
        cursor.execute(sql)
        print("Bill Table Reset")
    except Exception as e:
        print(e)

#check loyalty points
```

```
#status: OPERATIONAL

def knowloyaltypoints():
    try:
        cursor = mydb.cursor()
         sql = “select * from membershipdetails, loyaltypoints
where membershipdetails.membershipid=loyaltypoints.membershipid
and loyaltypoints.membershipid =”+str(memid)+”;”
        cursor.execute(sql)
        r=cursor.fetchall()
        #print(r)
        mempoints = r[0][5]
      print(“The total points you have available are”, mempoints)
        evaluation = (mempoints*0.4)
        print(“The total points are worth”, evaluation)
    except Exception as e:
        print(e)

#running code
#status: OPERATIONAL

def coderun():
    global memberconfirm
   membercheck = int(input(“Hi, do you have a membership? 1/0 “))
    if membercheck == 1:
        memberverify()
    else:
        registermem = int(input(“Enter 1 to register, Enter 0 to
continue without membership “))
        if registermem == 1:
            registerprocess()
            memberconfirm = 0
        else:
            print(“Continuing without membership”)
            memberconfirm = 0

    coderunn = 1
    while coderunn == 1:

        print(“Please choose an option from the following...”)
        print(“ “)
```

```
        print("1. Add Dish")
        print("2. Modify Qty")
        print("3. Delete Dish")
        print("4. Print Bill")
        print("5. Cancel Order")
        print("6. Know your loyalty points")
        print(" ")

        option = int(input("Enter your choice"))

        if option == 1:
            adddish()
        elif option == 2:
            modifyqty()
        elif option == 3:
            deletedish()
        elif option == 4:
            printing()
            truncate()
        elif option == 5:
            printbill_cancel()
            truncate()
        elif option == 6:
            knowloyaltypoints()
        else:
            print("Invalid entry")

        new = int(input("Press 1 to continue, 0 to exit"))
        new = coderunn



coderun()
```