```
##PRINTING WELCOME MESSAGE

print("""
        ================================
           Welcome to DD_sizzlings
        ================================
""")
##Establishing connection and creating database along with required tables
import mysql.connector as ms
pd=str(input("Enter Database Password:"))

cn=ms.connect(host="localhost",user="root",passwd="Delna@123")
cur=cn.cursor()
#creating database for restaurant
cur.execute("create database if not exists DD_sizzlings")
cur.execute("use DD_sizzlings")
cur.execute("create table if not exists customers\
                (cid int (30) primary key,\
                name varchar(30),\
                mobile varchar(10),\
                age int(3),\
                city varchar(50))")
cur.execute("create table if not exists chefs\
               (name varchar(30) primary key,\
               cusine varchar(40),\
               age int(2),\
               city varchar(30),\
               mobile varchar(15),\
               salary int(10))")
cur.execute("create table if not exists waiters\
               (name varchar(30) primary key,\
               age int(2),\
               city varchar(30),\
               mobile varchar(15),\
               salary int(10))")
cur.execute("create table if not exists managers\
                (name varchar(30) primary key,\
                age int(2),\
                city varchar(30),\
                mobile varchar(15),\
                salary int(10))")
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cur.execute("create table if not exists managers\
                (name varchar(30) primary key,\
                age int(2),\
                city varchar(30),\
                mobile varchar(15),\
                salary int(10))")
#login or signup option for users
#creating table for storing the username and password of the new user
cur.execute("create table if not exists users\
                (username varchar(30) primary key,\
                 password varchar(30) default'000')")
def sign_up():
    print("""

          ================================================
          !!!!!!!Please enter new user details!!!!!!!!
          ================================================
                                                    """)
    u=input("Enter New User Name!!:")
    p=input("Enter password (Combination of Letters, Digits etc.):")
    #ENTERING THE ENTERED VALUE TO THE USER_DATA TABLE
    cur.execute("insert into users values('"+u+"','"+p+"')")
    cn.commit()
    print("""
        ============================================================
        !!!!!!!!Congratulations!!!, New User Created...!!!!!!!!
        ============================================================
                                                  """)

def login():

    #Login with username and password

          print("""
              ============================================================
              !!!!!!!!  ((Loginwith username and password ))  !!!!!!!!!!
              ============================================================
                                                    """)
          un=input("Username!!:")
          ps=input("Password!!:")
          pid=0
```

```
def login():

    #Login with username and password

            print("""
                ============================================================
                !!!!!!!!  {{Loginwith username and password }}  !!!!!!!!!!
                ============================================================
                                                        """)
            un=input("Username!!:")
            ps=input("Password!!:")
            pid=0
            cur.execute("select password from users where username='"+un+"'")
            rec=cur.fetchall()
            for i in rec:
                a=list(i)
                if a[0]==str(ps):
                    while(True):
                        #Menu for Administrative Tasks
                        print("""
                            1.Admin Tasks
                            2.customer
                            3.Sign Out

                                                            """)
                        #prompt message for the task from user
                        a=int(input("Enter your choice:"))
                        #Admin tasks
                        if a==1:
                            print("""
                                1. Show Details
                                2. Add new member
                                3. Delete existing member
                                4. Exit
                                                            """)
                            b=int(input("Enter your choice:"))
                            #Showing details of managers, waiters and chefs
                            if b==1:
                                print("""
                                    1. chefs
                                    2. waiters
```

```
#Showing details of managers, waiters and chefs
if b==1:
    print("""
        1. chefs
        2. waiters
        3. managers
                        """)

    #Prompt Message for users to show details
    c=int(input("ENTER YOUR CHOICE:"))
    #See the details of chefs
    if c==1:
        cur.execute("select * from chefs")
        rec=cur.fetchall()
        for i in rec:
            b=0
            v=list(i)
            k=["NAME","CUSINE","AGE","CITY","MOBILE","SALARY"]
            d=dict(zip(k,v))
            for i in d:
                print(i,":",d[i])
            print()
    #See the details of waiters
    elif c==2:
        cur.execute("select * from waiters")
        rec=cur.fetchall()
        for i in rec:
            v=list(i)
            k=["NAME","AGE","CITY","MOBILE","SALARY"]
            d=dict(zip(k,v))
            for i in d:
                print(i,":",d[i])
            print()
    #See the details of managers
    elif c==3:
        cur.execute("select * from managers")
        rec=cur.fetchall()
        for i in rec:
            v=list(i)
            k=["NAME","AGE","CITY","MOBILE","SALARY"]
            d=dict(zip(k,v))
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            d=dict(zip(k,v))
            for i in d:
                print(i,":",d[i])
            print()
#Add new member into restuarant team
elif b==2:
    print("""

        1. chef
        2. waiter
        3. manager
                                                """)
    c=int(input("Enter your choice:"))
    #New chef details
    if c==1:
      #Prompt messages for chef details
      name=input("Enter name of chef:")
      dep=input("Enter cuisine:")
      age=input("Enter age:")
      city=input("Enter city chef belongs to:")
      mno=input("Enter 10 digit mobile no.:")
      sal=input("Enter Salary of chef:")
      #Insert values into chefs table
      cur.execute("insert into chefs values('"+name+"','"+dep+"','"+age+"','"+city+"','"+mno+"','"+sal+"')")
      cn.commit()
      print("New chefs details has been added successfully. ")
    #New Waiters details
    elif c==2:
      #Prompt message for Waiters details
      name=input("Enter name of Waiters:")
      age=input("Enter age:")
      city=input("Enter city Waiters belongs to:")
      mno=input("Enter mobile no.:")
      sal=int(input("Enter salary:"))
      #Insert value into Waiters table
      cur.execute("insert into Waiters values('"+name+"','"+age+"','"+city+"','"+mno+"','"+str(sal)+"')")
      cn.commit()
      print("New Waiters details has been added successfully.")
    #New manager details
    elif c==3:
  #Prompt message for managers details
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    #Prompt message for managers details
        name=input("Enter name of manager:")
        age=input("Enter Age:")
        city=input("Enter city:")
        mno=input("Enter mobile no:")
        ms=input("Enter Salary:")
        #Insert manager details into chefs table
        cur.execute("insert into managers values('"+name+"','"+age+"','"+city+"','"+mno+"','"+ms+"')")
        cn.commit()
        print("SUCCESSFULLY ADDED")
#Menu for delete data
elif b==3:
    print("""
          1. chefs
          2. Waiters
          3. managers
                                                """)
    c=int(input("Enter your choice:"))
    #deleting chef's details
    if c==1:
        name=input("Enter chef name to delete:")
        cur.execute("select * from chefs where name='"+name+"'")
        rec=cur.fetchall()
        print(rec)
        p=input("you really wanna delete this data? (y/n):")
        if p=="y":
            cur.execute("delete from chefs where name='"+name+"'")
            cn.commit()
            print("chef has been deleted successfully")
        else:
            print("Error in deletion....")


    #deleting Waiters details
    elif c==2:
        name=input("Enter name of Waiters:")
        cur.execute("select * Waiters where name='"+name+"'")
        rec=cur.fetchall()
        print(rec)
        p=input("Are you really wanna delete this data? (y/n):")
        if p=="y":
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```
        #deleting Waiters details
        elif c==2:
            name=input("Enter name of Waiters:")
            cur.execute("select * Waiters where name='"+name+"'")
            rec=cur.fetchall()
            print(rec)
            p=input("Are you really wanna delete this data? (y/n):")
            if p=="y":
                cur.execute("delete from Waiters where name='"+name+"'")
                mysql.commit()
                print("Waiters has been deleted successfully.")
            else:
                print("Error in deletion")
        #deleting manager details
        elif c==3:
            name=input("Enter name of manager:")
            cur.execute("select * from managers where name='"+name+"'")
            rec=cur.fetchall()
            print(rec)
            p=input("Are you really wanna delete this data? (y/n):")
            if p=="y":
                cur.execute("delete from managers where name='"+name+"'")
                cn.commit()
                print("manager has been deleted.")
            else:
                print("Error in deletion.")
    elif b==4:
        print("Thank you! See you again! Have nice Day!")
        break

#entering the customer details table
elif a==2:

    print("""
            1. Show customer record
            2. new customer
            3. signoff customer
            4. Exit
                                                """)
    b=int(input("ENTER YOUR CHOICE:"))
    #showing the existing details of customers
```

```
#entering the customer details table
elif a==2:

    print("""
            1. Show customer record
            2. new customer
            3. signoff customer
            4. Exit
                                                """)
    b=int(input("ENTER YOUR CHOICE:"))
    #showing the existing details of customers
    #See the details of customer
    if b==1:
        cur.execute("select * from customers")
        rec=cur.fetchall()
        for i in rec:
            b=0
            v=list(i)
            k=["NAME","MOBILE NO","AGE","CITY","CHEF"]
            d=dict(zip(k,v))
            for i in d:
                print(i,":",d[i])
    # new customer
    elif b==2:
        cid =int( input(" enter id: "))
        name=str(input("Enter name of customer: "))
        mn=str(input("Enter Mobile no.: "))
        age=str(input("Enter age: "))
        city=str(input("Enter City: "))
        cur.execute ("insert into customers values('"+str(cid)+"','"+str(name)+"','"+str(mn)+"','"+str(age)+"','"+str(city)+"')")
        cn.commit()

        print("""
        ======================================
        !!!!!!!New customer admitted!!!!!!
        ======================================
                        """)
    #exit of a customer
    elif b==3:
        name=input("Enter the name of customer to leave:")
```

```
                                        """)
                        #exit of a customer
                        elif b==3:
                            name=input("Enter the name of customer to leave:")
                            cur.execute("select * from customers where name='"+name+"'")
                            rec=cur.fetchall()
                            print(rec)
                            bill=input("Bill payment (y/n):")
                            if bill=="y":
                                cur.execute("delete from customers where name like'%"+name+"%'")
                                cn.commit()
                                print("customer discharged....")
                            elif bill=="n":
                                print("Please pay your pending bill amount to discahrge customer.")
                            else:
                                print("Bill payment status is unknown....")
                        #if user wants to exit
                        elif b==4:
                            break
                ###SIGN OUT
                elif a==3:
                    break
def change_pass():
    cur.execute("select username from users")
    rec=cur.fetchall()
    for i in rec:
        v=list(i)
        k=["USERNAME"]
        d=dict(zip(k,v))
    print(d)
    u=input("Enter username to change password from above:")
    if u in d.values():
        pd=input("Enter New Password:")
        pd1=input("Renter New Password again:")
        if pd==pd1:
          cur.execute("update users set password='"+pd+"'where username='"+u+"'")
          cn.commit()
          print("Password Changed Successfully.")
        else:
          print("Password did not match...")
    else:
```

```
    rec=cur.fetchall()
    for i in rec:
        v=list(i)
        k=["USERNAME"]
        d=dict(zip(k,v))
    print(d)
    u=input("Enter username to change password from above:")
    if u in d.values():
        pd=input("Enter New Password:")
        pd1=input("Renter New Password again:")
        if pd==pd1:
          cur.execute("update users set password='"+pd+"'where username='"+u+"'")
          cn.commit()
          print("Password Changed Successfully.")
        else:
          print("Password did not match...")
    else:
        print("Username not found")

#Main Menu
r=0
while r!=4:
    print("""
                    1. Sign Up (New User)
                    2. Log In
                    3. Change Password
                    4. Exit
                                                    """)

    r=int(input("Enter your choice:"))
    #New User Registration
    if r==1:
        sign_up()
    elif r==2:
        login()
    elif r==3:
        change_pass()
    elif r==4:
      print("Thank you for using DD_SIZZLING App, Have a nice day!")
      break
```