

Question 1

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In [11]: class Dairy_Product:
    def __init__(self, p_name, p_price, p_quantity):
        self.p_name = p_name
        self.p_price = p_price
        self.p_quantity = p_quantity

    def display_info(self):
        print(f"Product Name: {self.p_name}")
        print(f"Price: {self.p_price}")
        print(f"Quantity: {self.p_quantity}")

product1 = Dairy_Product("Cheese", 200, 5)
product1.display_info()
```

Product Name: Cheese
Price: 200
Quantity: 5

Question 2

```
In [12]: class Device:

    def __init__(self, name, manufacture, price):
        self.name = name
        self.manufacture = manufacture
        self.price = price

    def device_details(self):
        print(f"Device Name: {self.name}")
        print(f"Device Manufacture: {self.manufacture}")
        print(f"Device Price: {self.price}")

class Mobile(Device):

    def __init__(self, name, manufacture, price, storage, ram):
        super().__init__(name, manufacture, price)
        self.storage = storage
        self.ram = ram

    def mobile_details(self):
        super().device_details()
        print(f"Device Storage: {self.storage}")
        print(f"Device Ram: {self.ram}")

mobile1 = Mobile("Samsung S21", "Samsung", 50000, 64, 12)
mobile1.mobile_details()
```

Device Name: Samsung S21
Device Manufacture: Samsung
Device Price: 50000
Device Storage: 64
Device Ram: 12

Question 3

```
In [13]: from tkinter import *

app = Tk()
app.title("Candidate Registration Form")

def submit_form():
    full_name = full_name_entry.get()
    email_id = email_id_entry.get()
    address = address_entry.get()
    zip_code = zip_code_entry.get()

    with open("candidate_data.txt", "a") as file:
        file.write(f"Candidate Name: {full_name}\n")
        file.write(f"Candidate Email: {email_id}\n")
        file.write(f"Candidate Address: {address}\n")
        file.write(f"Candidate Zip Code: {zip_code}\n")

    print("Data submitted successfully!")

Label(app, text="Candidate Name:").grid(row=0, column=0, padx=10, pady=5)
full_name_entry = Entry(app)
full_name_entry.grid(row=0, column=1, padx=10, pady=5)

Label(app, text="Candidate Email:").grid(row=1, column=0, padx=10, pady=5)
email_id_entry = Entry(app)
email_id_entry.grid(row=1, column=1, padx=10, pady=5)

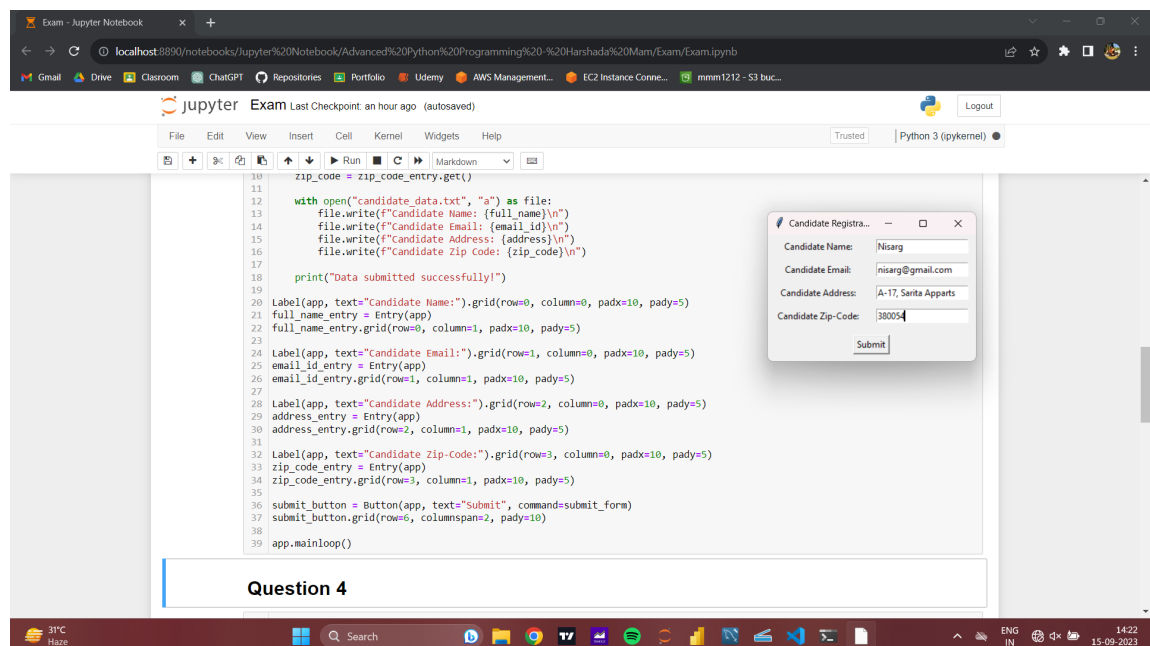
Label(app, text="Candidate Address:").grid(row=2, column=0, padx=10, pady=5)
address_entry = Entry(app)
address_entry.grid(row=2, column=1, padx=10, pady=5)

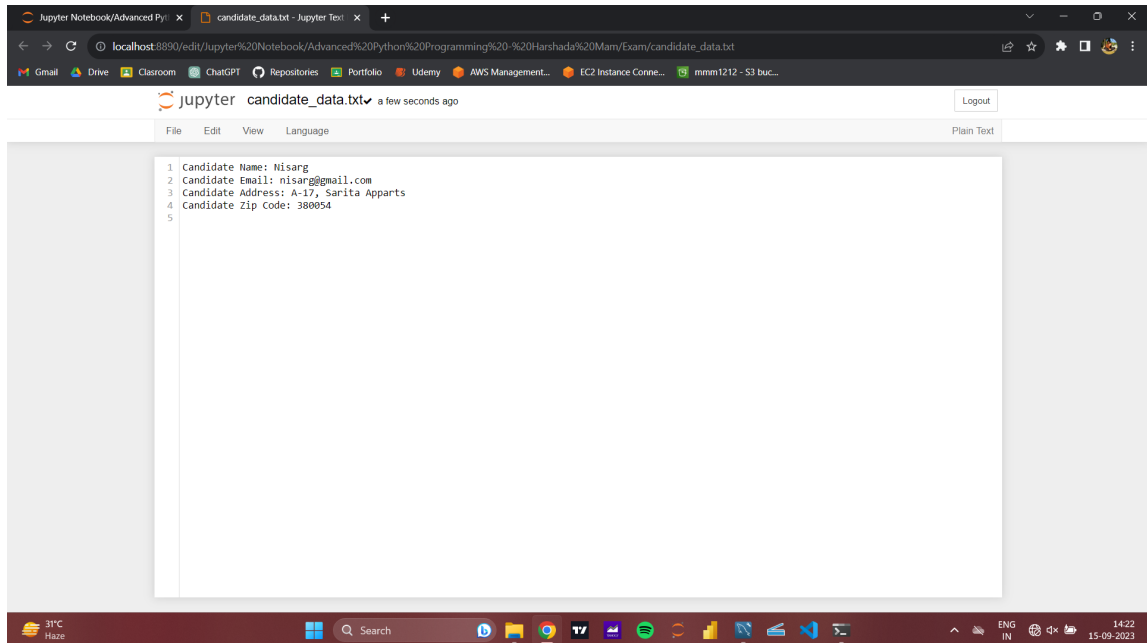
Label(app, text="Candidate Zip-Code:").grid(row=3, column=0, padx=10, pady=5)
zip_code_entry = Entry(app)
zip_code_entry.grid(row=3, column=1, padx=10, pady=5)

submit_button = Button(app, text="Submit", command=submit_form)
submit_button.grid(row=6, columnspan=2, pady=10)

app.mainloop()
```

Data submitted successfully!





Question 4

```
In [14]: # Create the database
import mysql.connector as sql

mydb = sql.connect(
    host="localhost",
    user="root",
    password="11111111"
)

mycursor = mydb.cursor()
mycursor.execute("CREATE DATABASE EmployeeDataBase")
mycursor.execute("USE EmployeeDataBase")
mycursor.execute("CREATE TABLE employeeData (id INT, name VARCHAR(255), age INT)")
mydb.close()
```

```
In [15]: from tkinter import *
import mysql.connector

conn = mysql.connector.connect(
    host="localhost",
    user="root",
    password="11111111",
    database="EmployeeDataBase"
)

cursor = conn.cursor()

def insert_data():
    id = id_entry.get()
    name = name_entry.get()
    age = age_entry.get()

    if id and name and age:
        sql = "INSERT INTO employeeData (id,name,age) VALUES (%s,%s,%s)"
        val = (id,name,age)
        cursor.execute(sql,val)
        conn.commit()
```

```

        status_label.config(text="Data Inserted Successfully!")
        id_entry.delete(0, END)
        name_entry.delete(0, END)
        age_entry.delete(0, END)

    else:
        status_label.config(text="Please fill all fields")

root = Tk()
root.title("Insert Data into MySQL Database")

# Create a frame for data insertion
insert_frame = Frame(root, padx=20, pady=20)
insert_frame.pack()

id_label = Label(insert_frame, text="Employee ID:")
id_label.pack()
id_entry = Entry(insert_frame)
id_entry.pack()

name_label = Label(insert_frame, text="Employee Name:")
name_label.pack()
name_entry = Entry(insert_frame)
name_entry.pack()

age_label = Label(insert_frame, text="Employee Age:")
age_label.pack()
age_entry = Entry(insert_frame)
age_entry.pack()

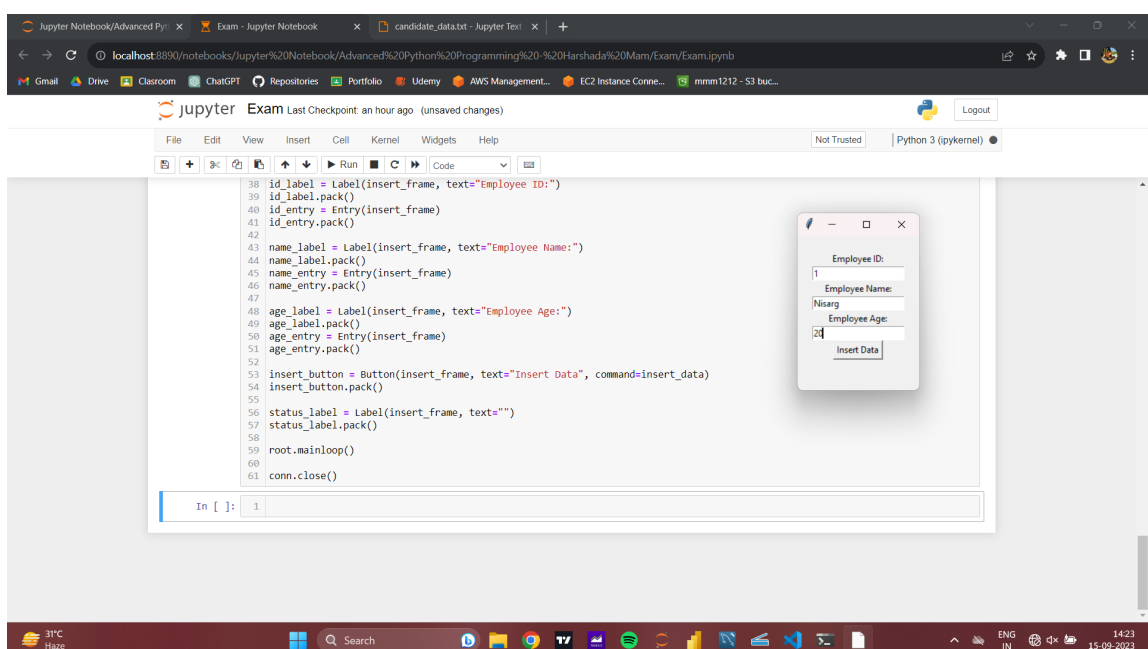
insert_button = Button(insert_frame, text="Insert Data", command=insert_data)
insert_button.pack()

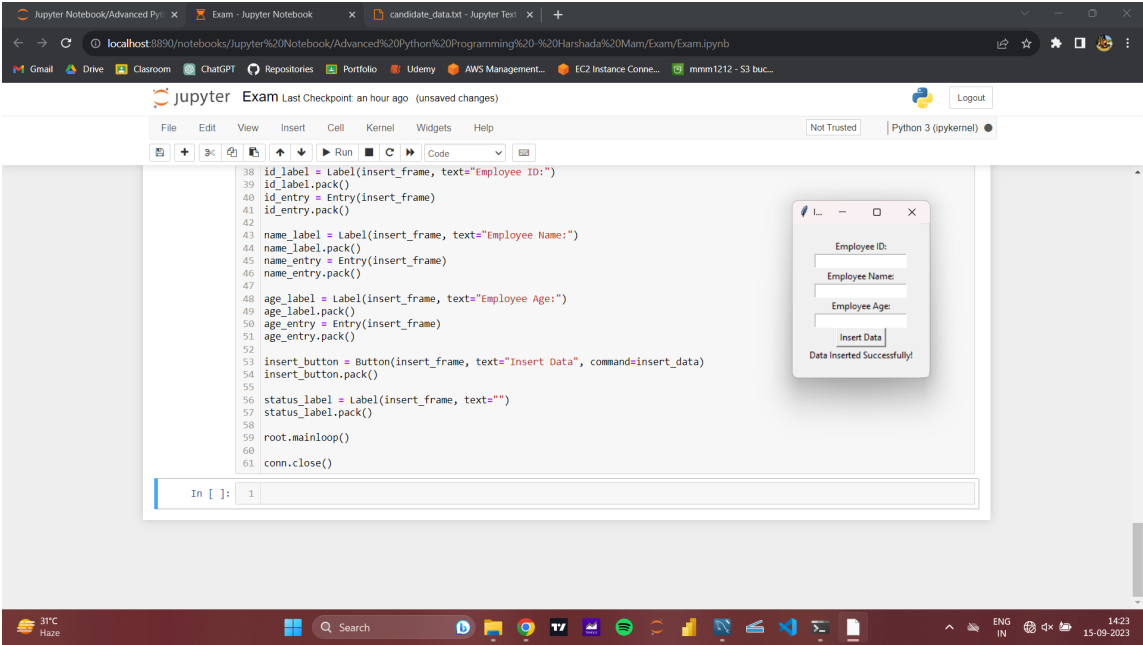
status_label = Label(insert_frame, text="")
status_label.pack()

root.mainloop()

conn.close()

```





In []: