COMPUTER SCIENCE PROJECT TERM II (2021-22)

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CLOUD SHOPPE

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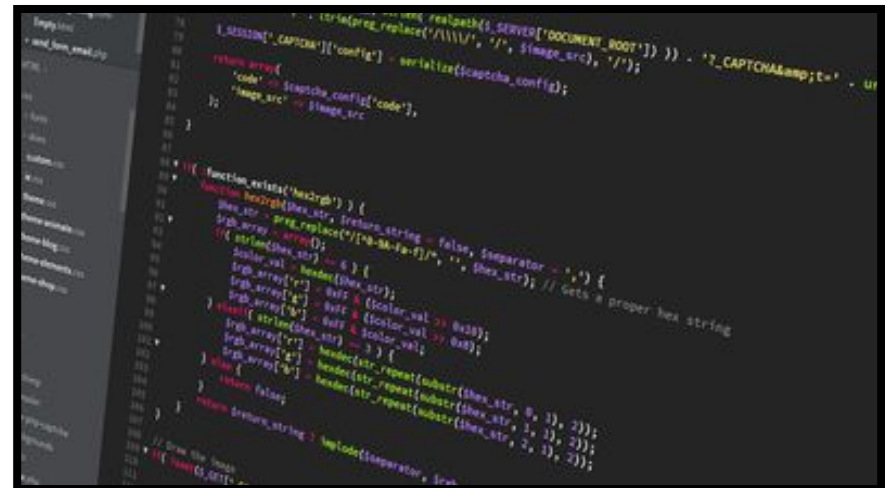
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I would like to take this opportunity to express my gratitude to the people who have been instrumental in the successful completion of this project **'CLOUD SHOPPE'**. I express deep sense of gratitude to almighty God for giving me strength. Secondly, to my parents for their constant encouragement while carrying out this project.

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CODING OF THE PROJECT:

 # CLOUD_SHOPPE

```
import mysql.connector as mysql
from mysql.connector import cursor
import csv
import pickle
import random
import string
import stdiomask
```

 # connecting with database and creating the login table if not there which contains username and password

```
def connecting_the_database():

   global database, cursor, login_details

   database = mysql.connect(
      host="localhost", user="root", password="", database="CLOUD_SHOPPE")

   if database.is_connected():
      print("Welcome to 'CLOUD SHOPPE'")
```

```
    cursor = database.cursor()

    # login table it will store records in mysql only breif record

    login_details = "create table if not exists login_details (Name char(50),Username char(20) primary key,
Password char(20),AccountCreatedOn char(20));"
    cursor.execute(login_details)
    print("-----------------------------")

# creating the sign up


def creating_user_account():

    global name, username, password, user_account, address, mobileno, email, choose, captcha

    # it will store records in mysql detailed record

    user_account = "create table if not exists user_details (Name char(50), Username char(20) primary key,
Password char(20), Address char(100), MobileNumber int, Email char(100));"
    cursor.execute(user_account)

    # sign up and login

    print('1. SIGN UP')
    print('2. LOGIN')
```

```python
    print()
    choose = int(input("ENTER (1) FOR NEW ACCOUNT OR (2) FOR LOGIN: "))

    # sign up

    while choose == 1:

        name = input("Enter Your Name: ")
        username = input("Set Your User_Name Here: ")
        q1 = "select * from login_details where Username=%s;"
        q2 = (username,)
        cursor.execute(q1, q2)
        if cursor.fetchone() is None:

            password = stdiomask.getpass("Set Your Password Here: ", mask="*")
            confirm_password = stdiomask.getpass(
                "Confirm Your Password: ", mask="*")

            while password != confirm_password:

                print("Password Does Not Match !!!")
                print("Please Enter Your Password Again")
                password = stdiomask.getpass("Set Your Password Here: ", mask="*")
                confirm_password = stdiomask.getpass(
                    "Confirm Your Password: ", mask="*")
```

```python
address = input("Enter Address: ")
mobileno = int(input("Enter Mobile No: "))

# mobile no check length must be 10 digits

if len(str(mobileno)) == 10:
    pass
else:
    while len(str(mobileno)) != 10:
        print("Invalid Mobile Number")
        mobileno = int(input("Enter Mobile No: "))

email = input("Enter Email: ")

captcha_code()
entered_captcha = input("Enter Above Captcha Code To Proceed: ")

while captcha != entered_captcha:

    print()
    print("Captcha Does Not Match")
    print("Try Again !!!")
    print()

    captcha_code()
    entered_captcha = input("Enter Above Captcha Code To Proceed: ")
```

```python
        q1 = "insert into login_details(Name,Username,Password,AccountCreatedOn)
values(%s,%s,%s,now());"
        q2 = (name, username, password)
        cursor.execute(q1, q2)

        q3 = "insert into user_details values(%s,%s,%s,%s,%s,%s);"
        q4 = (name, username, password, address, mobileno, email)
        cursor.execute(q3, q4)

        database.commit()
        user_details_csv_file_record()
        print("Account created Successfully")
        choose = 2

    else:

        print("Username Already Taken !!!")
        choose=1

    # login

# creating login window

def logging_into_user_account():
```

```python
    global login_username, login_password, choose, captcha
    global essential_items_cart, books_educational_cart, books_novels_cart, electronics_items_cart,
clothes_items_cart, games_items_cart, medicines_items_cart, postmail_total
    global name, username, password, user_account, address, mobileno, email, choose, captcha

    while choose == 2:

        print()
        print("Login")
        print("-----")
        print()

        login_username = input("Enter Your User_Name: ")
        login_password = stdiomask.getpass("Enter Your Password: ", mask="*")

        captcha_code()
        entered_captcha = input("Enter Above Captcha Code To Proceed: ")

        while captcha != entered_captcha:

            print()
            print("Captcha Does Not Match")
            print("Try Again !!!")
            print()
```

```python
    captcha_code()
    entered_captcha = input("Enter Above Captcha Code To Proceed: ")

q1 = "select * from login_details where Username=%s and password=%s;"
q2 = (login_username, login_password)
cursor.execute(q1, q2)

if cursor.fetchone() is None:

    print("Invalid UserName or Password !!")
    choose = int(input("Press (1) for sign up and (2) for login: "))
    if choose == 1:
        creating_user_account()

else:

    essential_items_cart = 0
    books_educational_cart = 0
    books_novels_cart = 0
    electronics_items_cart = 0
    clothes_items_cart = 0
    games_items_cart = 0
    medicines_items_cart = 0
    postmail_total = 0

    q3 = "select * from user_details where Username=%s and password=%s;"
```

```
        q4 = (login_username, login_password)
        cursor.execute(q3, q4)
        record=cursor.fetchall()
        name=record[0][0]
        address=record[0][3]
        mobileno=record[0][4]
        email=record[0][5]

        print("Login Successful !!!")
        choose = 3

# storing user data in csv files


def user_details_csv_file_record():

    global user_details, writer_user_details

    # it will store records in csv file with required fields

    user_details = open("User Details.csv", "a", newline="\r\n")
    writer_user_details = csv.writer(user_details)
    writer_user_details.writerow(
        ["Name", "Username", "Address", "MobileNumber"])
    writer_user_details.writerow([name, username, address, mobileno])
    user_details.close()
```

 # captcha code for login and sign up securitiy

```python
def captcha_code():

    global captcha

    lower = string.ascii_lowercase
    upper = string.ascii_uppercase
    num = string.digits

    mixture = lower+upper+num

    temp = random.sample(mixture, 6)

    captcha = "".join(temp)

    print()
    print(captcha)
    print()
```

 # essential items shopping functions

```python
def essential_items_shopping():

    global essential_items_list, essential_items_list_price, essential_items_cart,
essential_items_cart_number, essential_items_cart_number_qty

    essential_items_list = ["Flour", "Pulses", "Toothpaste", "Chips", "Biscuits",
                "Chocolate", "Sugar", "Soap", "Bread", "Maggi"]
    essential_items_list_price = [
        25, 90, 70, 20, 10, 5, 20, 30, 35, 12]

    essential_items_cart_number = int(input("Enter Item Number: "))
    essential_items_cart_number_qty = float(input("Enter Quantity: "))
    essential_items_cart += essential_items_list_price[essential_items_cart_number -
                                1] * essential_items_cart_number_qty

    print(
        essential_items_list[essential_items_cart_number-1], "Added Successfully !!!")

    # writing details in file
    essential_items_cart_details_text_file()

    print(essential_items_list_price[essential_items_cart_number-1]
        * essential_items_cart_number_qty)

    print()
```

```
def essential_items_shopping_items():

    global essential_items_list, essential_items_list_price, essential_items_cart,
essential_items_cart_number, essential_items_cart_number_qty

    essential_items_list = ["Flour", "Pulses", "Toothpaste", "Chips",
                    "Biscuits", "Chocolate", "Sugar", "Soap", "Bread", "Maggi"]
    essential_items_list_price = [25, 90, 70, 20, 10, 5, 20, 30, 35, 12]

    for i in range(0, len(essential_items_list)):
        print(i+1, ". ", essential_items_list[i],
            "     ", essential_items_list_price[i])


def essential_items_cart_details_text_file():

    global essential_items_list, essential_items_list_price, essential_items_cart,
essential_items_cart_number, essential_items_cart_number_qty
    global cart_items_details

    # writing details in file

    cart_items_details.write("Item Name: ")
    cart_items_details.write(
        essential_items_list[essential_items_cart_number-1])
    cart_items_details.write("   ")
```

```python
    cart_items_details.write("Quantity: ")
    cart_items_details.write(str(essential_items_cart_number_qty))
    cart_items_details.write("   ")
    cart_items_details.write("Price: ")
    cart_items_details.write(str(
        essential_items_list_price[essential_items_cart_number-1] * essential_items_cart_number_qty))
    cart_items_details.write("\n")


# educational books shopping functions


def books_educational_items_shopping():

    global books_educational_list, books_educational_list_price, books_educational_cart,
books_educational_cart_number, books_educational_cart_number_qty

    books_educational_list = ["NCERT Physics XI", "NCERT Chemistry XI", "NCERT Maths XI",
"NCERT English XI", "Computer Science With Python By Sumita Arora XI",
                    "NCERT Physics XII", "NCERT Chemistry XII", "NCERT Maths XII", "NCERT
English XII", "Computer Science With Python By Sumita Arora XII"]
    books_educational_list_price = [
        350, 325, 170, 160, 450, 370, 350, 180, 170, 550]

    books_educational_cart_number = int(input("Enter Item Number: "))
    books_educational_cart_number_qty = float(input("Enter Quantity: "))
```

```python
    books_educational_cart += books_educational_list_price[books_educational_cart_number -
                                        1] * books_educational_cart_number_qty

    print(
        books_educational_list[books_educational_cart_number-1], "Added Successfully !!!")

    # writing details in text file
    books_educational_items_cart_details_text_file()

    print(books_educational_list_price[books_educational_cart_number-1]
          * books_educational_cart_number_qty)


def books_educational_items_shopping_items():

    global books_educational_list, books_educational_list_price, books_educational_cart,
books_educational_cart_number, books_educational_cart_number_qty

    books_educational_list = ["NCERT Physics XI", "NCERT Chemistry XI", "NCERT Maths XI",
"NCERT English XI", "Computer Science With Python By Sumita Arora XI",
                    "NCERT Physics XII", "NCERT Chemistry XII", "NCERT Maths XII", "NCERT
English XII", "Computer Science With Python By Sumita Arora XII"]
    books_educational_list_price = [
        350, 325, 170, 160, 450, 370, 350, 180, 170, 550]

    for i in range(0, len(books_educational_list)):
```

```python
    print(i+1, ". ", books_educational_list[i],
        "     ", books_educational_list_price[i])


def books_educational_items_cart_details_text_file():

    global books_educational_list, books_educational_list_price, books_educational_cart,
books_educational_cart_number, books_educational_cart_number_qty
    global cart_items_details

    # writing details in file

    cart_items_details.write("Item Name: ")
    cart_items_details.write(
        books_educational_list[books_educational_cart_number-1])
    cart_items_details.write("   ")
    cart_items_details.write("Quantity: ")
    cart_items_details.write(str(books_educational_cart_number_qty))
    cart_items_details.write("   ")
    cart_items_details.write("Price: ")
    cart_items_details.write(str(
        books_educational_list_price[books_educational_cart_number-1] *
books_educational_cart_number_qty))
    cart_items_details.write("\n")
```

 # novels books shopping functions

```
def books_novels_items_shopping():

    global books_novels_list, books_novels_list_price, books_novels_cart, books_novels_cart_number,
books_novels_cart_number_qty

    books_novels_list = ["Arabian Nights", "Rich Dad Poor Dad", "Harry Potter Series", "Sherlock
Holmes", "Angles And Demons",
                    "Origin", "Frankenstein", "Invisible Man", "Pride And Prejudice", "Wings Of Fire"]
    books_novels_list_price = [1000, 300, 2700,
                    1000, 260, 250, 120, 175, 120, 420]

    books_novels_cart_number = int(input("Enter Item Number: "))
    books_novels_cart_number_qty = float(input("Enter Quantity: "))
    books_novels_cart += books_novels_list_price[books_novels_cart_number -
                            1] * books_novels_cart_number_qty

    print(books_novels_list[books_novels_cart_number-1],
        "Added Successfully !!!")

    # writing details in text file
    books_novels_items_cart_details_text_file()

    print(books_novels_list_price[books_novels_cart_number-1]
```

```python
                    * books_novels_cart_number_qty)

    print()


def books_novels_items_shopping_items():

    global books_novels_list, books_novels_list_price, books_novels_cart, books_novels_cart_number, books_novels_cart_number_qty

    books_novels_list = ["Arabian Nights", "Rich Dad Poor Dad", "Harry Potter Series", "Sherlock Holmes", "Angles And Demons",
                    "Origin", "Frankenstein", "Invisible Man", "Pride And Prejudice", "Wings Of Fire"]
    books_novels_list_price = [1000, 300, 2700,
                        1000, 260, 250, 120, 175, 120, 420]

    for i in range(0, len(books_novels_list)):
        print(i+1, ". ", books_novels_list[i],
            "     ", books_novels_list_price[i])


def books_novels_items_cart_details_text_file():

    global books_novels_list, books_novels_list_price, books_novels_cart, books_novels_cart_number, books_novels_cart_number_qty
    global cart_items_details
```

 # writing details in file

```
cart_items_details.write("Item Name: ")
cart_items_details.write(
    books_novels_list[books_novels_cart_number-1])
cart_items_details.write("   ")
cart_items_details.write("Quantity: ")
cart_items_details.write(str(books_novels_cart_number_qty))
cart_items_details.write("   ")
cart_items_details.write("Price: ")
cart_items_details.write(str(
    books_novels_list_price[books_novels_cart_number-1] * books_novels_cart_number_qty))
cart_items_details.write("\n")
```

 # electronics items shopping functions

```
def electronics_items_shopping():

    global electronics_items_list, electronics_items_list_price, electronics_items_cart,
electronics_items_cart_number, electronics_items_cart_number_qty

    electronics_items_list = ["OnePlus Nord 2", "Macbook M1 Chip", "Asus ROG Strix G17", "Sandisk
Pen - Drive",
```

```python
                    "Samsung External SSD", "Printer", "XP Pen Tablet", "JBL Headphone", "Logitech
MX Master 3 Mouse", "Logitech Craft Keyboard"]
    electronics_items_list_price = [
        35000, 200000, 125000, 500, 15000, 20000, 35000, 7000, 9000, 13000]

    electronics_items_cart_number = int(input("Enter Item Number: "))
    electronics_items_cart_number_qty = float(input("Enter Quantity: "))
    electronics_items_cart += electronics_items_list_price[electronics_items_cart_number -
                                    1] * electronics_items_cart_number_qty

    print(
        electronics_items_list[electronics_items_cart_number-1], "Added Successfully !!!")

    # writing details in text file
    electronics_items_cart_details_text_file()

    print(electronics_items_list_price[electronics_items_cart_number-1]
        * electronics_items_cart_number_qty)

    print()


def electronics_items_shopping_items():

    global electronics_items_list, electronics_items_list_price, electronics_items_cart,
electronics_items_cart_number, electronics_items_cart_number_qty
```

```python
    electronics_items_list = ["OnePlus Nord 2", "Macbook M1 Chip", "Asus ROG Strix G17", "Sandisk Pen - Drive",
                    "Samsung External SSD", "Printer", "XP Pen Tablet", "JBL Headphone", "Logitech MX Master 3 Mouse", "Logitech Craft Keyboard"]
    electronics_items_list_price = [
        35000, 200000, 125000, 500, 15000, 20000, 35000, 7000, 9000, 13000]

    for i in range(0, len(electronics_items_list)):
        print(i+1, ". ", electronics_items_list[i],
            "    ", electronics_items_list_price[i])


def electronics_items_cart_details_text_file():

    global electronics_items_list, electronics_items_list_price, electronics_items_cart, electronics_items_cart_number, electronics_items_cart_number_qty
    global cart_items_details

    # writing details in file

    cart_items_details.write("Item Name: ")
    cart_items_details.write(
        electronics_items_list[electronics_items_cart_number-1])
    cart_items_details.write("   ")
    cart_items_details.write("Quantity: ")
```

```
    cart_items_details.write(str(electronics_items_cart_number_qty))
    cart_items_details.write("   ")
    cart_items_details.write("Price: ")
    cart_items_details.write(str(
        electronics_items_list_price[electronics_items_cart_number-1] *
electronics_items_cart_number_qty))
    cart_items_details.write("\n")



# clothes items shopping functions


def clothes_items_shopping():

    global clothes_items_list, clothes_items_list_price, clothes_items_cart, clothes_items_cart_number,
clothes_items_cart_number_qty

    clothes_items_list = ["T - Shirt", "Shirt", "Pants", "Shorts",
                "Nightsuit", "Saree", "Kurta Pyzama", "Trousers", "Jeans", "Shoes"]
    clothes_items_list_price = [500, 750, 900,
                    600, 1200, 1000, 1200, 900, 1000, 2200]

    clothes_items_cart_number = int(input("Enter Item Number: "))
    clothes_items_cart_number_qty = float(input("Enter Quantity: "))
    clothes_items_cart += clothes_items_list_price[clothes_items_cart_number -
                        1] * clothes_items_cart_number_qty
```

```python
    print(clothes_items_list[clothes_items_cart_number-1],
        "Added Successfully !!!")

    # writing details in text files
    clothes_items_cart_details_text_file()

    print(clothes_items_list_price[clothes_items_cart_number-1]
        * clothes_items_cart_number_qty)

    print()


def clothes_items_shopping_items():

    global clothes_items_list, clothes_items_list_price, clothes_items_cart, clothes_items_cart_number,
clothes_items_cart_number_qty

    clothes_items_list = ["T - Shirt", "Shirt", "Pants", "Shorts",
                "Nightsuit", "Saree", "Kurta Pyzama", "Trousers", "Jeans", "Shoes"]
    clothes_items_list_price = [500, 750, 900,
                    600, 1200, 1000, 1200, 900, 1000, 2200]

    for i in range(0, len(clothes_items_list)):
        print(i+1, ". ", clothes_items_list[i],
            "    ", clothes_items_list_price[i])
```

```python
def clothes_items_cart_details_text_file():

    global clothes_items_list, clothes_items_list_price, clothes_items_cart, clothes_items_cart_number, clothes_items_cart_number_qty
    global cart_items_details

    # writing details in file

    cart_items_details.write("Item Name: ")
    cart_items_details.write(clothes_items_list[clothes_items_cart_number-1])
    cart_items_details.write("   ")
    cart_items_details.write("Quantity: ")
    cart_items_details.write(str(clothes_items_cart_number_qty))
    cart_items_details.write("   ")
    cart_items_details.write("Price: ")
    cart_items_details.write(str(
        clothes_items_list_price[clothes_items_cart_number-1] * clothes_items_cart_number_qty))
    cart_items_details.write("\n")


# games items shopping functions


def games_items_shopping():
```

```python
    global games_items_list, games_items_list_price, games_items_cart, games_items_cart_number,
games_items_cart_number_qty

    games_items_list = ["Play Station 5", "X - Box", "Spiderman", "Drone",
                "GTA San Andres", "Nintendo", "Cars", "Train", "VR Controller", "Play Station Portable"]
    games_items_list_price = [74000, 56000, 1200,
                    7500, 1500, 7000, 1300, 1700, 1800, 12000]

    games_items_cart_number = int(input("Enter Item Number: "))
    games_items_cart_number_qty = float(input("Enter Quantity: "))
    games_items_cart += games_items_list_price[games_items_cart_number -
                            1] * games_items_cart_number_qty

    print(games_items_list[games_items_cart_number-1],
        "Added Successfully !!!")

    # writing details in text file
    games_items_cart_details_text_file()

    print(games_items_list_price[games_items_cart_number-1]
        * games_items_cart_number_qty)


def games_items_shopping_items():
```

```
    global games_items_list, games_items_list_price, games_items_cart, games_items_cart_number,
games_items_cart_number_qty

    games_items_list = ["Play Station 5", "X - Box", "Spiderman", "Drone",
                "GTA San Andres", "Nintendo", "Cars", "Train", "VR Controller", "Play Station Portable"]
    games_items_list_price = [74000, 56000, 1200,
                    7500, 1500, 7000, 1300, 1700, 1800, 12000]

    for i in range(0, len(games_items_list)):
        print(i+1, ". ", games_items_list[i],
            "     ", games_items_list_price[i])


def games_items_cart_details_text_file():

    global games_items_list, games_items_list_price, games_items_cart, games_items_cart_number,
games_items_cart_number_qty
    global cart_items_details

    # writing details in file

    cart_items_details.write("Item Name: ")
    cart_items_details.write(games_items_list[games_items_cart_number-1])
    cart_items_details.write("   ")
    cart_items_details.write("Quantity: ")
    cart_items_details.write(str(games_items_cart_number_qty))
```

```
    cart_items_details.write("   ")
    cart_items_details.write("Price: ")
    cart_items_details.write(str(
        games_items_list_price[games_items_cart_number-1] * games_items_cart_number_qty))
    cart_items_details.write("\n")


# medicines items shopping functions


def medicines_items_shopping():

    global medicines_items_list, medicines_items_list_price, medicines_items_cart,
medicines_items_cart_number, medicines_items_cart_number_qty

    medicines_items_list = ["Paracetamol", "Crocin", "B12 Capsule", "D3 Pouch",
                    "A to Z Multivitamin Capsule", "Clindon Gel", "AcneBar", "Candid - B", "Ear Buds",
"Cough Syrup"]
    medicines_items_list_price = [40, 25, 200, 30, 70, 75, 70, 40, 25, 80]

    medicines_items_cart_number = int(input("Enter Item Number: "))
    medicines_items_cart_number_qty = float(input("Enter Quantity: "))
    medicines_items_cart += medicines_items_list_price[medicines_items_cart_number -
                                1] * medicines_items_cart_number_qty

    print(
```

```
            medicines_items_list[medicines_items_cart_number-1], "Added Successfully !!!")

    # writing details in text file
    medicines_items_cart_details_text_file()

    print(medicines_items_list_price[medicines_items_cart_number-1]
        * medicines_items_cart_number_qty)

    print()


def medicines_items_shopping_items():

    global medicines_items_list, medicines_items_list_price, medicines_items_cart,
medicines_items_cart_number, medicines_items_cart_number_qty

    medicines_items_list = ["Paracetamol", "Crocin", "B12 Capsule", "D3 Pouch",
                    "A to Z Multivitamin Capsule", "Clindon Gel", "AcneBar", "Candid - B", "Ear Buds",
"Cough Syrup"]
    medicines_items_list_price = [40, 25, 200, 30, 70, 75, 70, 40, 25, 80]

    for i in range(0, len(medicines_items_list)):
        print(i+1, ". ", medicines_items_list[i],
            "    ", medicines_items_list_price[i])
```

```python
def medicines_items_cart_details_text_file():

    global medicines_items_list, medicines_items_list_price, medicines_items_cart,
medicines_items_cart_number, medicines_items_cart_number_qty
    global cart_items_details

    # writing details in file

    cart_items_details.write("Item Name: ")
    cart_items_details.write(
        medicines_items_list[medicines_items_cart_number-1])
    cart_items_details.write("   ")
    cart_items_details.write("Quantity: ")
    cart_items_details.write(str(medicines_items_cart_number_qty))
    cart_items_details.write("   ")
    cart_items_details.write("Price: ")
    cart_items_details.write(str(
        medicines_items_list_price[medicines_items_cart_number-1] *
medicines_items_cart_number_qty))
    cart_items_details.write("\n")

# shopping list


def shopping_list():
```

```python
    global essential_items_list, essential_items_list_price, essential_items_cart,
essential_items_cart_number, essential_items_cart_number_qty
    global books_educational_list, books_educational_list_price, books_educational_cart,
books_educational_cart_number, books_educational_cart_number_qty
    global books_novels_list, books_novels_list_price, books_novels_cart, books_novels_cart_number,
books_novels_cart_number_qty
    global electronics_items_list, electronics_items_list_price, electronics_items_cart,
electronics_items_cart_number, electronics_items_cart_number_qty
    global clothes_items_list, clothes_items_list_price, clothes_items_cart, clothes_items_cart_number,
clothes_items_cart_number_qty
    global games_items_list, games_items_list_price, games_items_cart, games_items_cart_number,
games_items_cart_number_qty
    global medicines_items_list, medicines_items_list_price, medicines_items_cart,
medicines_items_cart_number, medicines_items_cart_number_qty
    global cart_items_details
    global choose

    while choose == 3 or choose == 10:

        shopping = 'y'

        if choose == 3:

            cart_items_details = open("Cart Items Details.txt", "w")
            cart_items_details.write("Receipt")
            cart_items_details.write("\n")
```

```
        cart_items_details.write("-------")
        cart_items_details.write("\n")
        cart_items_details.write("\n")

    elif choose == 10:

        cart_items_details = open("Cart Items Details.txt", "a")

    while shopping == 'y' or shopping == 'Y':

        print()
        print("CATEGORIES OFFERED BY US")
        print("------------------------")

        print()

        print("1. Essential Items")
        print("2. Books")
        print("3. Electronics")
        print("4. Clothes")
        print("5. Games")
        print("6. Medicine")
        print("7. Post Mail")

        print()
        choice = int(input("Enter Your Choice: "))
```

```python
    print()

    if choice == 1:

        print("Essential Items")
        print("----------------")

        print()
        print("Item Name", "Price")
        print("---------", "-----")
        print()

        essential_items_shopping_items()

        print()

        # adding items into cart

        category_confirmation = input(
            "Do you want to add items from this category ... Press 'Y' else Press 'N': ")

        if category_confirmation == "y" or category_confirmation == "Y":

            essential_items = "y"
            while essential_items == "y" or essential_items == 'Y':
                print()
```

```python
            essential_items_shopping()

            essential_items = input(
                "Do you want to enter more items from Essential Items category ... Press 'Y' else Press
'N': ")
            print()

        print()
        print("Your Total For This Category Is: ",
            essential_items_cart)
        print()
        shopping = input(
            "Do you want to move to other category: 'Press (Y) for going to other category Press (N)
for viewing your cart: ")
        choose = 4
        print()

    else:
        shopping = 'y'
        print()

elif choice == 2:

    print("Books")
    print("-------------------")
```

```python
print()
print("1. Educational Books")
print("2. Novels")
print()

books_choice = int(input("Enter Your Choice: "))
print()
print()

if books_choice == 1:

    print("Item Name", "Price")
    print("---------", "-----")
    print()

    books_educational_items_shopping_items()

    print()

    category_confirmation = input(
        "Do you want to add items from this category ... Press 'Y' else Press 'N': ")

    if category_confirmation == "y" or category_confirmation == "Y":

        books_educational = "y"
        while books_educational == "y" or books_educational == 'Y':
```

```python
                print()

                books_educational_items_shopping()
                books_educational = input(
                    "Do you want to enter more items from Educational Books category ... Press 'Y' else
Press 'N': ")

            print()
            print("Your Total For This Category Is: ",
                books_educational_cart)
            print()

            shopping = input(
                "Do you want to move to other category: 'Press (Y) for going to other category Press (N)
for viewing your cart: ")
            choose = 4

        elif books_choice == 2:

            print("NOVELS")
            print("-------")

            print()

            print("Item Name", "Price")
            print("---------", "-----")
```

```python
        print()

        books_novels_items_shopping_items()

        category_confirmation = input(
            "Do you want to add items from this category ... Press 'Y' else Press 'N': ")

        books_novels_cart = 0

        if category_confirmation == "y" or category_confirmation == "Y":

            books_novels = "y"
            while books_novels == "y" or books_novels == 'Y':

                print()

                books_novels_items_shopping()
                books_novels = input(
                    "Do you want to enter more items from Novels Books category ... Press 'Y' else Press
'N': ")
                print()

        print()
        print("Your Total For This Category Is: ", books_novels_cart)
        print()
        shopping = input(
```

```
                "Do you want to move to other category: 'Press (Y) for going to other category Press (N)
for viewing your cart: ")
            choose = 4

        else:

            print("Category Requested")

    elif choice == 3:

        print("ELECTRONICS")
        print("-----------")

        print()

        print("Item Name", "Price")
        print("---------", "-----")
        print()

        electronics_items_shopping_items()

        print()

        category_confirmation = input(
            "Do you want to add items from this category ... Press 'Y' else Press 'N': ")
```

```python
        if category_confirmation == "y" or category_confirmation == "Y":

            electronics_items = "y"
            while electronics_items == "y" or electronics_items == 'Y':

                print()

                electronics_items_shopping()

                electronics_items = input(
                    "Do you want to enter more items from electronics Items category ... Press 'Y' else Press 'N': ")
                print()

            print()
            print("Your Total For This Category Is: ",
                  electronics_items_cart)
            print()
            shopping = input(
                "Do you want to move to other category: 'Press (Y) for going to other category Press (N) for viewing your cart: ")
            choose = 4
            print()

        else:
            shopping = 'y'
```

```python
            print()

    elif choice == 4:

        print("CLOTHES")
        print("---------")

        print()

        print("Item Name", "Price")
        print("---------", "-----")
        print()

        clothes_items_shopping_items()

        print()

        category_confirmation = input(
            "Do you want to add items from this category ... Press 'Y' else Press 'N': ")

        if category_confirmation == "y" or category_confirmation == "Y":

            clothes_items = "y"
            while clothes_items == "y" or clothes_items == 'Y':
                print()
```

```python
            clothes_items_shopping()
            clothes_items = input(
                "Do you want to enter more items from Clothes Items category ... Press 'Y' else Press
'N': ")

            print()


        print()
        print("Your Total For This Category Is: ", clothes_items_cart)
        print()
        shopping = input(
            "Do you want to move to other category: 'Press (Y) for going to other category Press (N)
for viewing your cart: ")
        choose = 4
        print()

    else:
        shopping = 'y'
        print()

elif choice == 5:

    print("GAMES")
    print("-----")

    print()
```

```
        print("Item Name", "Price")
        print("---------", "-----")
        print()

        games_items_shopping_items()

        print()

        category_confirmation = input(
            "Do you want to add items from this category ... Press 'Y' else Press 'N': ")

        if category_confirmation == "y" or category_confirmation == "Y":

            games_items = "y"
            while games_items == "y" or games_items == 'Y':
                print()

                games_items_shopping()
                games_items = input(
                    "Do you want to enter more items from Games Items category ... Press 'Y' else Press
'N': ")

                print()

            print()
            print("Your Total For This Category Is: ", games_items_cart)
            print()
```

```
        shopping = input(
            "Do you want to move to other category: 'Press (Y) for going to other category Press (N)
for viewing your cart: ")
        choose = 4
        print()

    else:
        shopping = 'y'
        print()

elif choice == 6:

    print("MEDICINES")
    print("---------")

    print()

    print("Item Name", "Price")
    print("---------", "-----")
    print()

    medicines_items_shopping_items()

    print()

    category_confirmation = input(
```

```
        "Do you want to add items from this category ... Press 'Y' else Press 'N': ")

    if category_confirmation == "y" or category_confirmation == "Y":

        medicines_items = "y"
        while medicines_items == "y" or medicines_items == 'Y':
            print()
            medicines_items_shopping()
            medicines_items = input(
                "Do you want to enter more items from Medicines Items category ... Press 'Y' else Press
'N': ")

            print()

        print()
        print("Your Total For This Category Is: ",
            medicines_items_cart)
        print()
        shopping = input(
            "Do you want to move to other category: 'Press (Y) for going to other category Press (N)
for viewing your cart: ")
        choose = 4
        print()

    else:
        shopping = 'y'
        print()
```

```python
elif choice == 7:

    print("Welcome to our Courier Service")
    print("-----------------------------")
    print()
    print(
        "We offer very affordable rates for your shipment with very fast delivery")
    print("₹ 100 Per Kg")

    print("We are highly Thank You For Choosing Our Service ☺ ☻ ☺ ☻ ☺ ☻")

    postmail_records()

    print()
    print()
    print("Your Post Mail Details: ")
    print("-----------------------")
    print()

    # displaying the details of postmail

    recipt_record_slip = open("Recipt Record.txt", "r")
    slip = recipt_record_slip.read()
    print(slip)
```

```python
        shopping = input(
            "Do you want to move to other category: 'Press (Y) for going to other category Press (N) for
viewing your cart: ")
        choose = 4
        print()

    else:
        print("Category Requested")

        shopping = input(
            "Do you want to move to other category: 'Press (Y) for going to other category Press (N) for
viewing your cart: ")

    if shopping == 'n' or shopping == 'N':

        updating_your_cart()

    else:

        print("Wrong Input !!!")

# shipping record for parcel items
# funtion not to be called in main


def postmail_records():
```

```
    global sendername, senderaddress, sendermobileno, recievername, recieveraddress, recivermobileno,
weightofpackage, main_record, recipt_record_list, postmail_total
    global name, username, password, user_account, address, mobileno, email, choose, captcha

    # csv file will have details of all customers and will not display them
    # text file will only save current customer record and will display them

    main_record = open("Main Record.csv", "a", newline='\r\n')
    writer_postmail_record = csv.writer(main_record)
    recipt_record = open("Recipt Record.txt", "w+")

    sender = input(
        "Is your sender name and address same as your account details or not ... If same press 'y' and if no
press 'n' ")
    print()

    if sender == 'y' or sender == 'Y':

        # sender details

        sendername = name
        senderaddress = address
        sendermobileno = mobileno

        # reciver details
```

```
print("Reciver Details")
print("---------------")

recievername = input("Enter Reciever Name: ")
recieveraddress = input("Enter Reciever Address: ")
recivermobileno = int(input("Enter Reciver Mobile Number: "))

weightofpackage = float(input("Enter weight of package: "))

writer_postmail_record.writerow(["Sender Name", "Sender Address", "Sender Mobile Number",
                    "Reciever Name", "Reciver Address", "Reciver Mobile Number", "Weight Of
Package"])
writer_postmail_record.writerow([sendername, senderaddress, sendermobileno,
                    recievername, recieveraddress, recivermobileno, weightofpackage])
recipt_record_list = (["Sender Name", "Sender Address", "Sender Mobile Number",
                    "Reciever Name", "Reciver Address", "Reciver Mobile Number", "Weight Of
Package"])
recipt_record_list_value = [sendername, senderaddress, sendermobileno,
                    recievername, recieveraddress, recivermobileno, weightofpackage]

postmail_total = weightofpackage*100

value = 0
for record in recipt_record_list:
    recipt_record.write(record)
```

```
        recipt_record.write(": ")
        recipt_record.write(str(recipt_record_list_value[value]))
        recipt_record.write("\n")
        value += 1

    cart_items_details.write("\n")
    cart_items_details.write("\n")
    cart_items_details.write("Postmail Record")
    cart_items_details.write("\n")
    cart_items_details.write("---------------")
    cart_items_details.write("\n")
    cart_items_details.write("\n")
    cart_items_details.write("Sender Name: ")
    cart_items_details.write(sendername)
    cart_items_details.write("\n")
    cart_items_details.write("Sender Address: ")
    cart_items_details.write(senderaddress)
    cart_items_details.write("\n")
    cart_items_details.write("Sender Mobile Number: ")
    cart_items_details.write(str(sendermobileno))
    cart_items_details.write("\n")
    cart_items_details.write("Reciever Name: ")
    cart_items_details.write(recievername)
    cart_items_details.write("\n")
    cart_items_details.write("Reciever Address: ")
    cart_items_details.write(recieveraddress)
```

```
        cart_items_details.write("\n")
        cart_items_details.write("Reciever Mobile Number: ")
        cart_items_details.write(str(recivermobileno))
        cart_items_details.write("\n")
        cart_items_details.write("Weight Of Package: ")
        cart_items_details.write(str(weightofpackage))
        cart_items_details.write("\n")

        main_record.close()
        recipt_record.close()

    elif sender == 'n' or sender == 'N':

        # sender details

        print("Sender Details")
        print("--------------")
        sendername = input("Enter Sender Name: ")
        senderaddress = input("Enter Sender Address: ")
        sendermobileno = int(input("Enter Sender Mobile Number: "))

        print()
        # reciver details

        print("Reciver Details")
        print("---------------")
```

```
    recievername = input("Enter Reciever Name: ")
    recieveraddress = input("Enter Reciver Address: ")
    recivermobileno = int(input("Enter Reciver Mobile Number: "))

    print()

    weightofpackage = float(input("Enter weight of package: "))

    writer_postmail_record.writerow(["Sender Name", "Sender Address", "Sender Mobile Number",
                        "Reciever Name", "Reciver Address", "Reciver Mobile Number", "Weight Of
Package"])
    writer_postmail_record.writerow([sendername, senderaddress, sendermobileno,
                        recievername, recieveraddress, recivermobileno, weightofpackage])

    recipt_record_list = (["Sender Name", "Sender Address", "Sender Mobile Number",
                        "Reciever Name", "Reciver Address", "Reciver Mobile Number", "Weight Of
Package"])
    recipt_record_list_value = [sendername, senderaddress, sendermobileno,
                        recievername, recieveraddress, recivermobileno, weightofpackage]

    postmail_total = weightofpackage*100

    value = 0

    for record in recipt_record_list:
        recipt_record.write(record)
```

```
        recipt_record.write(": ")
        recipt_record.write(str(recipt_record_list_value[value]))
        recipt_record.write("\n")
        value += 1

    cart_items_details.write("\n")
    cart_items_details.write("\n")
    cart_items_details.write("Postmail Record")
    cart_items_details.write("\n")
    cart_items_details.write("---------------")
    cart_items_details.write("\n")
    cart_items_details.write("\n")
    cart_items_details.write("Sender Name: ")
    cart_items_details.write(sendername)
    cart_items_details.write("\n")
    cart_items_details.write("Sender Address: ")
    cart_items_details.write(senderaddress)
    cart_items_details.write("\n")
    cart_items_details.write("Sender Mobile Number: ")
    cart_items_details.write(str(sendermobileno))
    cart_items_details.write("\n")
    cart_items_details.write("Reciever Name: ")
    cart_items_details.write(recievername)
    cart_items_details.write("\n")
    cart_items_details.write("Reciever Address: ")
    cart_items_details.write(recieveraddress)
```

```
        cart_items_details.write("\n")
        cart_items_details.write("Reciever Mobile Number: ")
        cart_items_details.write(str(recivermobileno))
        cart_items_details.write("\n")
        cart_items_details.write("Weight Of Package: ")
        cart_items_details.write(str(weightofpackage))
        cart_items_details.write("\n")

        main_record.close()
        recipt_record.close()

# otp generator


def otp_generator():

    global otp

    otp = random.randrange(000000, 999999, 6)
    print("Your OTP is: ", otp)

# updating the cart and payment method


def updating_your_cart():
```

```python
    global card_number, card_nameholder, card_expiry, card_cvv, payment_method
    global essential_items_cart, books_educational_cart, books_novels_cart, electronics_items_cart,
clothes_items_cart, games_items_cart, medicines_items_cart, postmail_total
    global choose

    print()
    print("Viewing Your Cart")
    print("------------------")

    print()

    update_cart = 1
    while update_cart == 1:

        print("Press 1 to view the cart")
        print("Press 2 to move to payment")
        print("Press 3 to continue shopping")
        cart = int(input("Enter Your Choice: "))

        if cart == 1:
            cart_items_details.close()
            print()
            print()
            cart_items_details_receipt = open("Cart Items Details.txt", "r")
            print(cart_items_details_receipt.read())
            print()
```

```python
        total = essential_items_cart+books_educational_cart+books_novels_cart+electronics_items_cart + \
            clothes_items_cart+games_items_cart+medicines_items_cart+postmail_total

        print("Your Total Is: ", total)
        print()

        update_cart = 1

    elif cart == 2:

        print("Payment")
        print("-------")

        total = essential_items_cart+books_educational_cart+books_novels_cart+electronics_items_cart + \
            clothes_items_cart+games_items_cart+medicines_items_cart+postmail_total
        print("Your Total Is: ", total)
        print("Enter method for payment ")
        payment_method = int(input(
            "Enter (1) for 'Credit Card' Enter (2) for 'Debit Card' Enter (3) for 'Cash On Delivery' :"))

        if payment_method == 1 or payment_method == 2:

            print("Enter Your Card Details")
```

```python
    print("----------------------")

    card_number = int(input("Enter Your Card Number: "))
    while len(str(card_number)) != 12:
        print()
        print("Invalid Card Number !")
        print("Try Again")

        card_number = int(input("Enter Your Card Number: "))

    card_nameholder = input("Enter Card Holder Name: ")
    card_expiry = input("Enter Expiry Date of Card: ")

    card_cvv = int(stdiomask.getpass("Enter CVV: ", mask="*"))
    while len(str(card_cvv)) != 3:
        print()
        print("Invalid CVV !")
        print("Try Again")

        card_cvv = int(input("Enter Your CVV: "))

    card_storing_confirmation = int(
        input("Do You Want To Save Your Card Details ... Press (1) else Press (2) "))

    if card_storing_confirmation == 1:
        storing_card_details()
```

```
otp_final = 1
while otp_final == 1:

    otp_generator()
    otp_input = int(input("Enter otp: "))

    if otp == otp_input:

        print("Order Successful")

        otp_final = 2
        payment_method = 0
        cart = 0
        print()

        delivery = random.randint(3, 10)
        print("You will recive your package by", delivery, "days")

        cart_items_details.close()
        update_cart = 2


    else:
        print("Payment Failed !!!")
        otp_final = 1
```

```python
        elif payment_method == 3:

            print("Order Successful ")
            print()
            print("Kindly Arrange", total, "money before delivery")
            delivery = random.randint(3, 10)
            print("You will recive your package by", delivery, "days")

            cart_items_details.close()
            cart_items_details_receipt.close()

            update_cart = 2

    elif cart == 3:
        choose = 10
        shopping_list()


def storing_card_details():

    card_details = open("Card Details.dat", "ab")

    # username to be added in card_fields

    card_fields = [card_number, card_nameholder, card_expiry, card_cvv, '\n']
```

```
    pickle.dump(card_fields, card_details)
    card_details.close()


# _main_

connecting_the_database()
creating_user_account()
logging_into_user_account()
shopping_list()
```
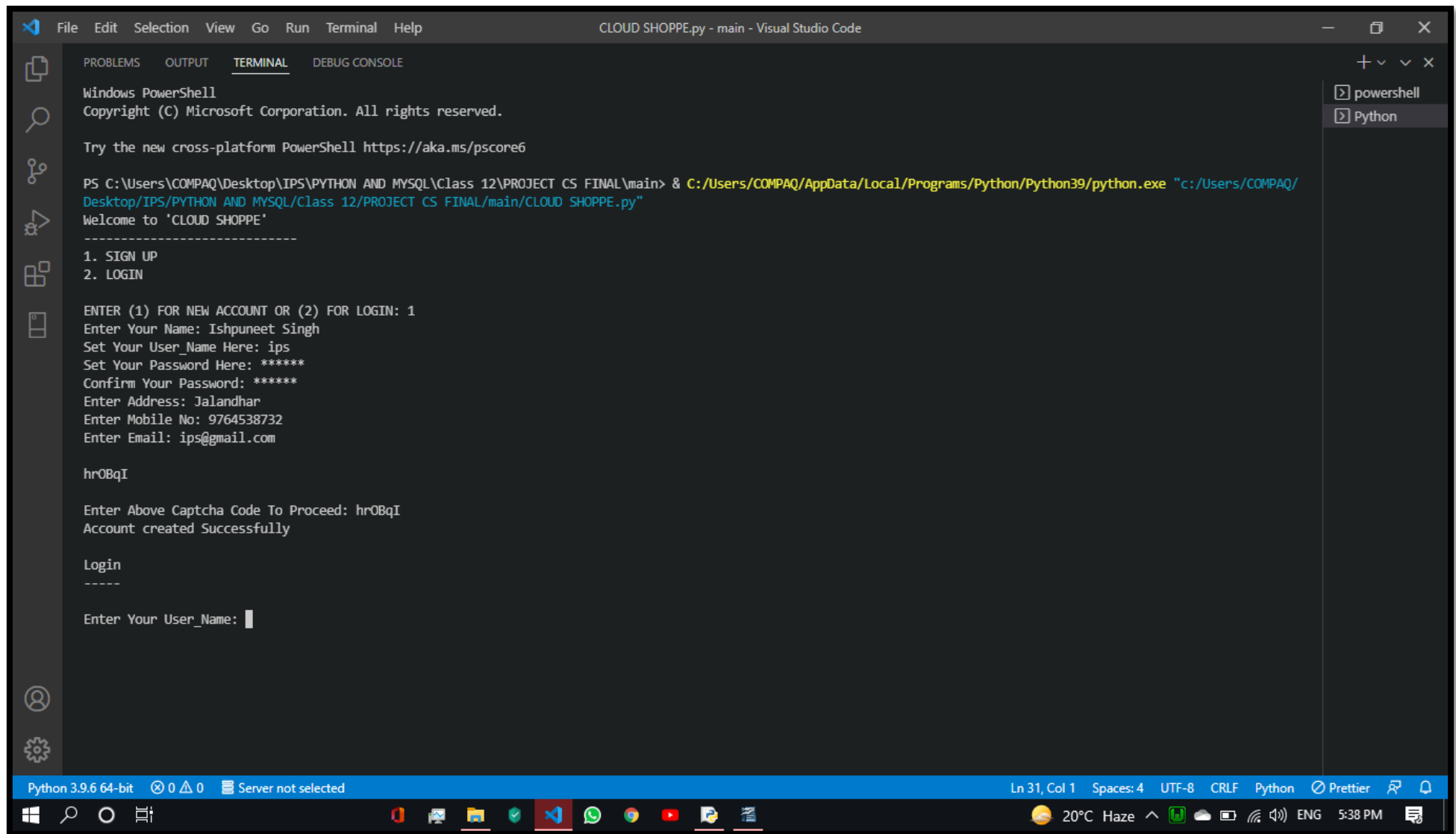
SCREENSHOTS OF THE OUTPUT WINDOWS:

09 February 2022

First of all, the user is provided with an option to create a new account or to login to his already existing account.

09 February 2022

The user has to enter his credentials and then a captcha code is sent in order to confirm identity. After that the list of available categories is displayed.

```
File  Edit  Selection  View  Go  Run  Terminal  Help                CLOUD SHOPPE.py - main - Visual Studio Code

PROBLEMS    OUTPUT    TERMINAL    DEBUG CONSOLE                                                              + ∨  ∨ ×

                                                                                                   ⟩ powershell
ENTER (1) FOR NEW ACCOUNT OR (2) FOR LOGIN: 1                                                       ⟩ Python
Enter Your Name: Ishpuneet Singh
Set Your User_Name Here: ips
Set Your Password Here: ******
Confirm Your Password: ******
Enter Address: Jalandhar
Enter Mobile No: 9764538732
Enter Email: ips@gmail.com

hrOBqI

Enter Above Captcha Code To Proceed: hrOBqI
Account created Successfully

Login
-----

Enter Your User_Name: ips
Enter Your Password: ******

3Zx9Ap

Enter Above Captcha Code To Proceed: 3Zx9Ap
Login Successful !!!

CATEGORIES OFFERED BY US
------------------------

1. Essential Items
2. Books
3. Electronics
4. Clothes
5. Games
6. Medicine
7. Post Mail

Enter Your Choice: █
```
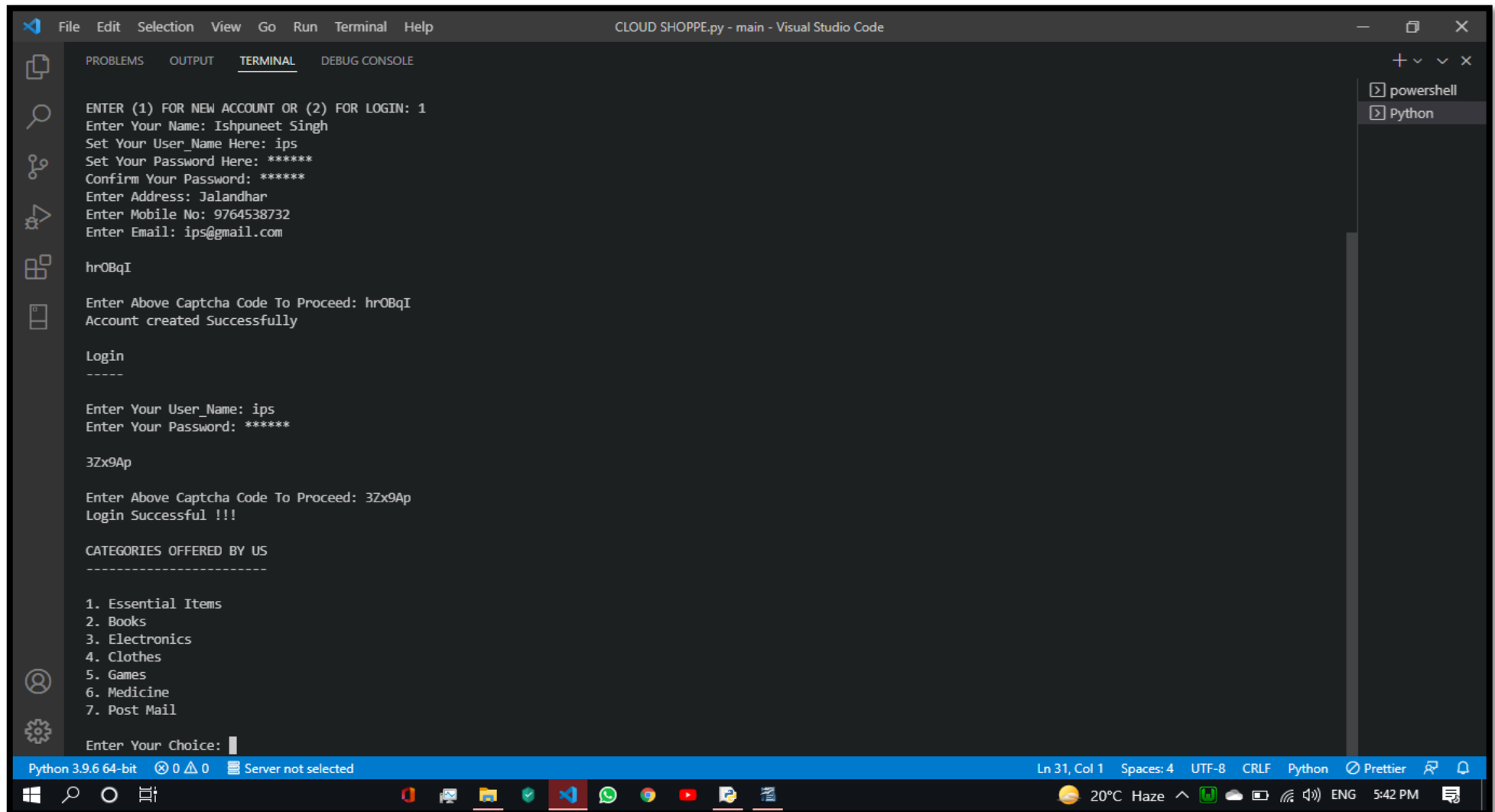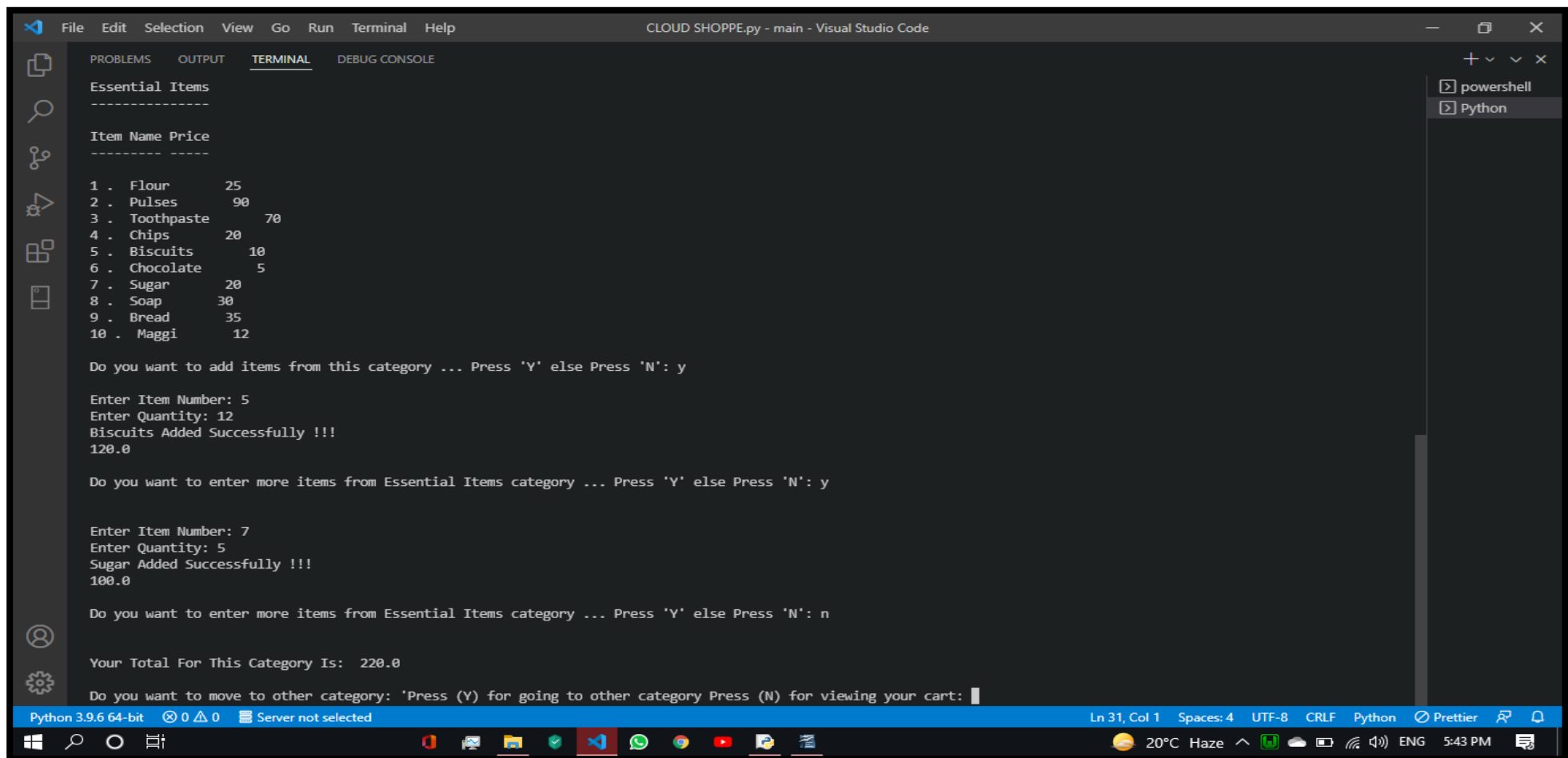
Now, we can choose the category from the seven mentioned services and then choose a particular item from the following. After that the price for the chosen item is displayed and we are given an option to shift categories or continue in the same. Here, we have chosen category 1 i.e. Essential Items where we have purchased 12 quantity of item no 5 i.e. biscuits so the total amount comes out to be 120

```
Essential Items
---------------

Item Name Price
--------- -----

1 .  Flour        25
2 .  Pulses        90
3 .  Toothpaste       70
4 .  Chips        20
5 .  Biscuits       10
6 .  Chocolate       5
7 .  Sugar        20
8 .  Soap        30
9 .  Bread        35
10 .  Maggi        12

Do you want to add items from this category ... Press 'Y' else Press 'N': y

Enter Item Number: 5
Enter Quantity: 12
Biscuits Added Successfully !!!
120.0

Do you want to enter more items from Essential Items category ... Press 'Y' else Press 'N': y

Enter Item Number: 7
Enter Quantity: 5
Sugar Added Successfully !!!
100.0

Do you want to enter more items from Essential Items category ... Press 'Y' else Press 'N': n

Your Total For This Category Is:  220.0

Do you want to move to other category: 'Press (Y) for going to other category Press (N) for viewing your cart:
```
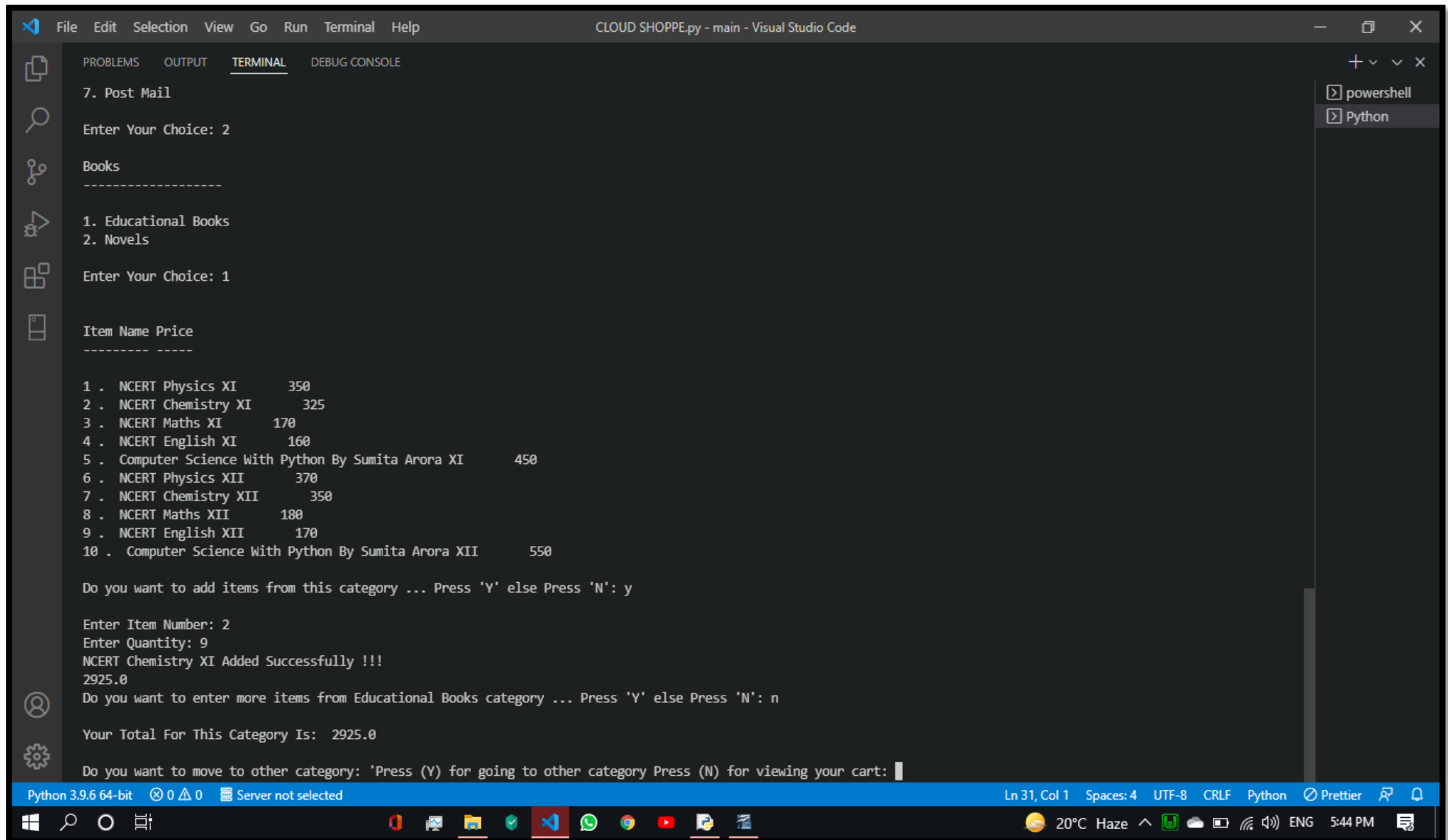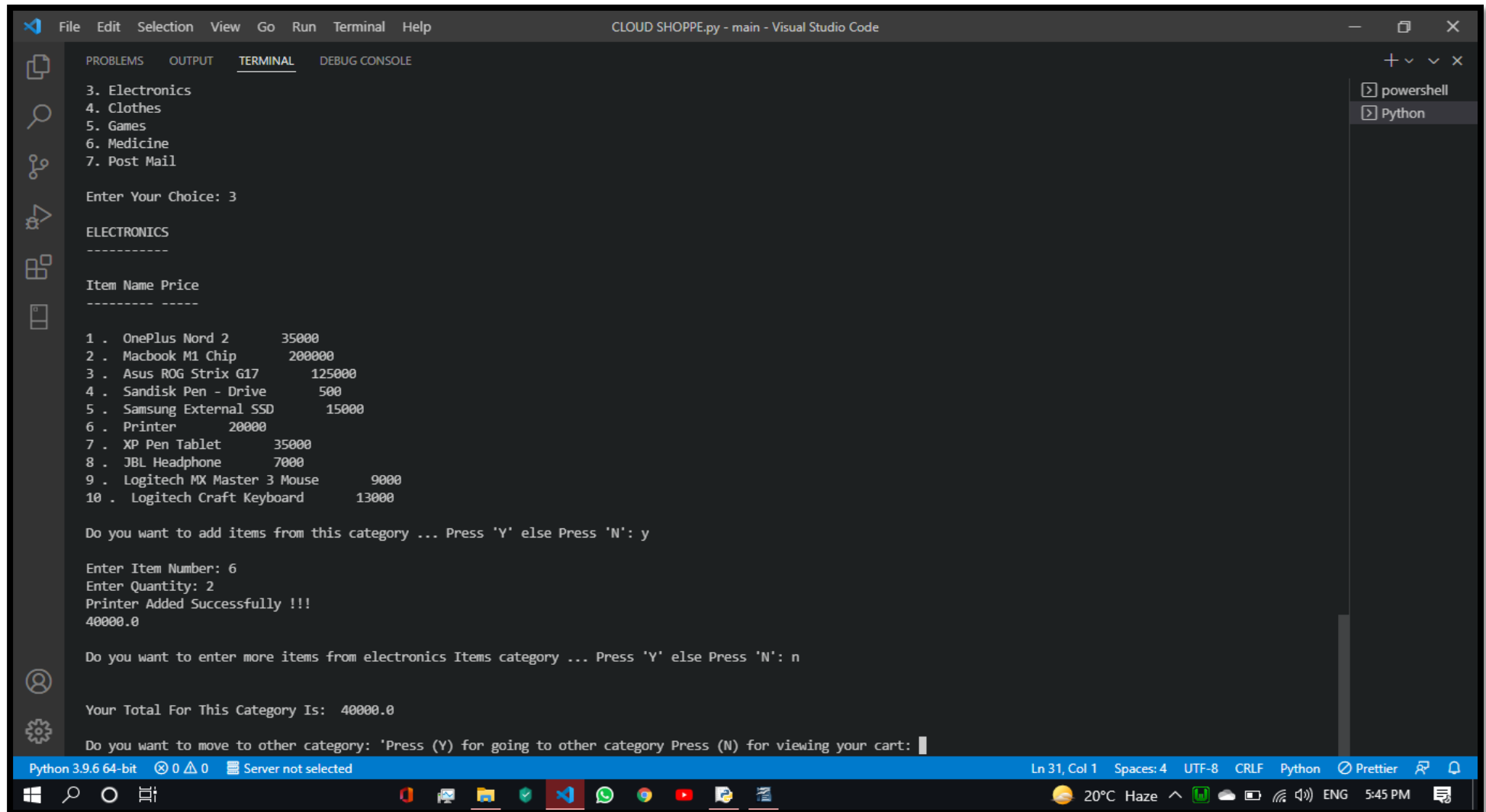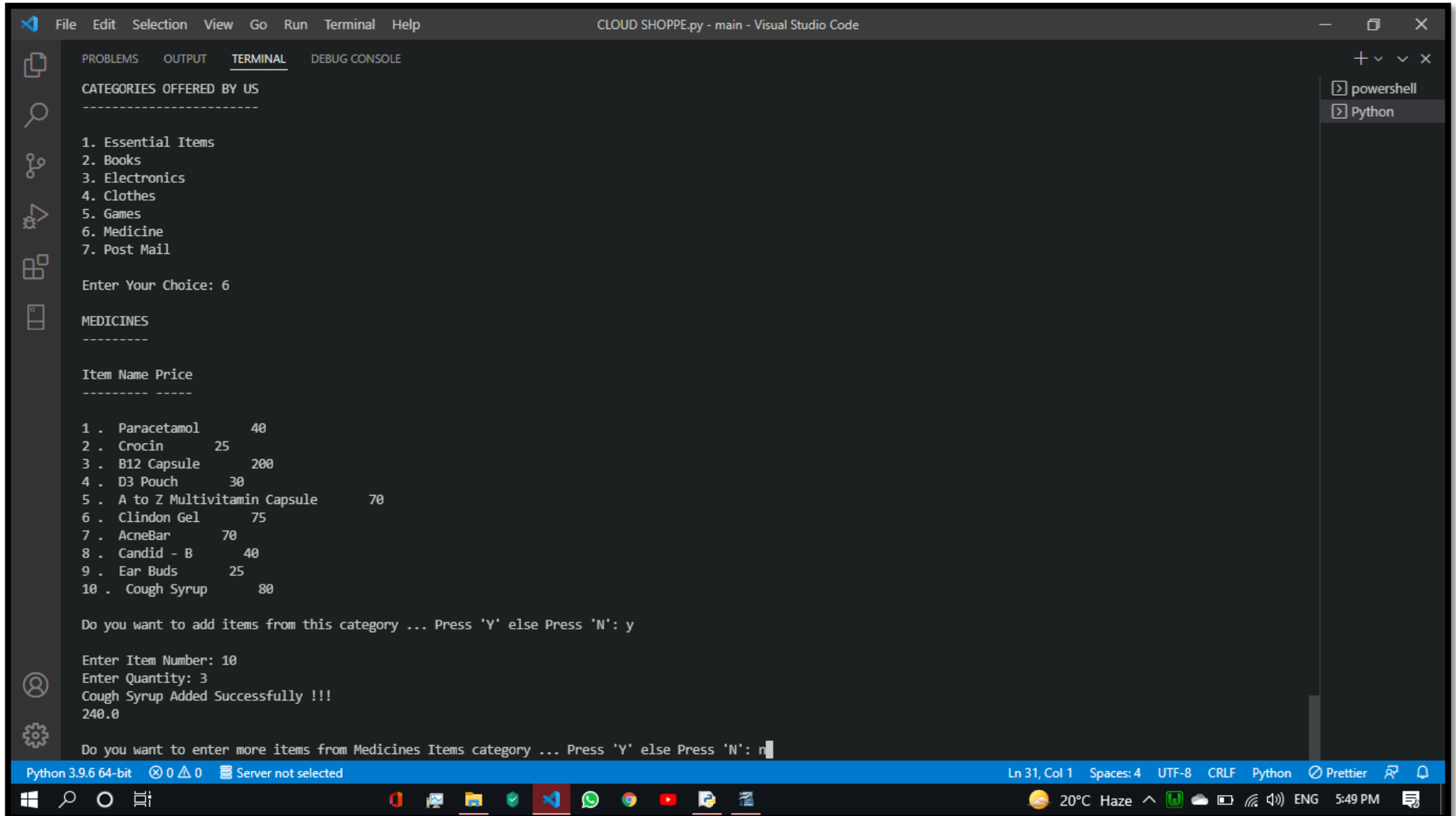
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Output Screen for category 2: Books

Output screen for category 3: Electronics

Now, here as we have declined the option of shifting the category and chosen to view our cart. So, this is the output screen where all our purchased items are shown along with their prices along with the total cart price.

```
Enter Item Number: 6
Enter Quantity: 2
Printer Added Successfully !!!
40000.0

Do you want to enter more items from electronics Items category ... Press 'Y' else Press 'N': n


Your Total For This Category Is:  40000.0

Do you want to move to other category: 'Press (Y) for going to other category Press (N) for viewing your cart: n


Viewing Your Cart
-----------------

Press 1 to view the cart
Press 2 to move to payment
Press 3 to continue shopping
Enter Your Choice: 1


Receipt
-------

Item Name: Biscuits   Quantity: 12.0   Price: 120.0
Item Name: Sugar   Quantity: 5.0   Price: 100.0
Item Name: NCERT Chemistry XI   Quantity: 9.0   Price: 2925.0
Item Name: Printer   Quantity: 2.0   Price: 40000.0


Your Total Is:  43145.0

Press 1 to view the cart
Press 2 to move to payment
Press 3 to continue shopping
Enter Your Choice:
```
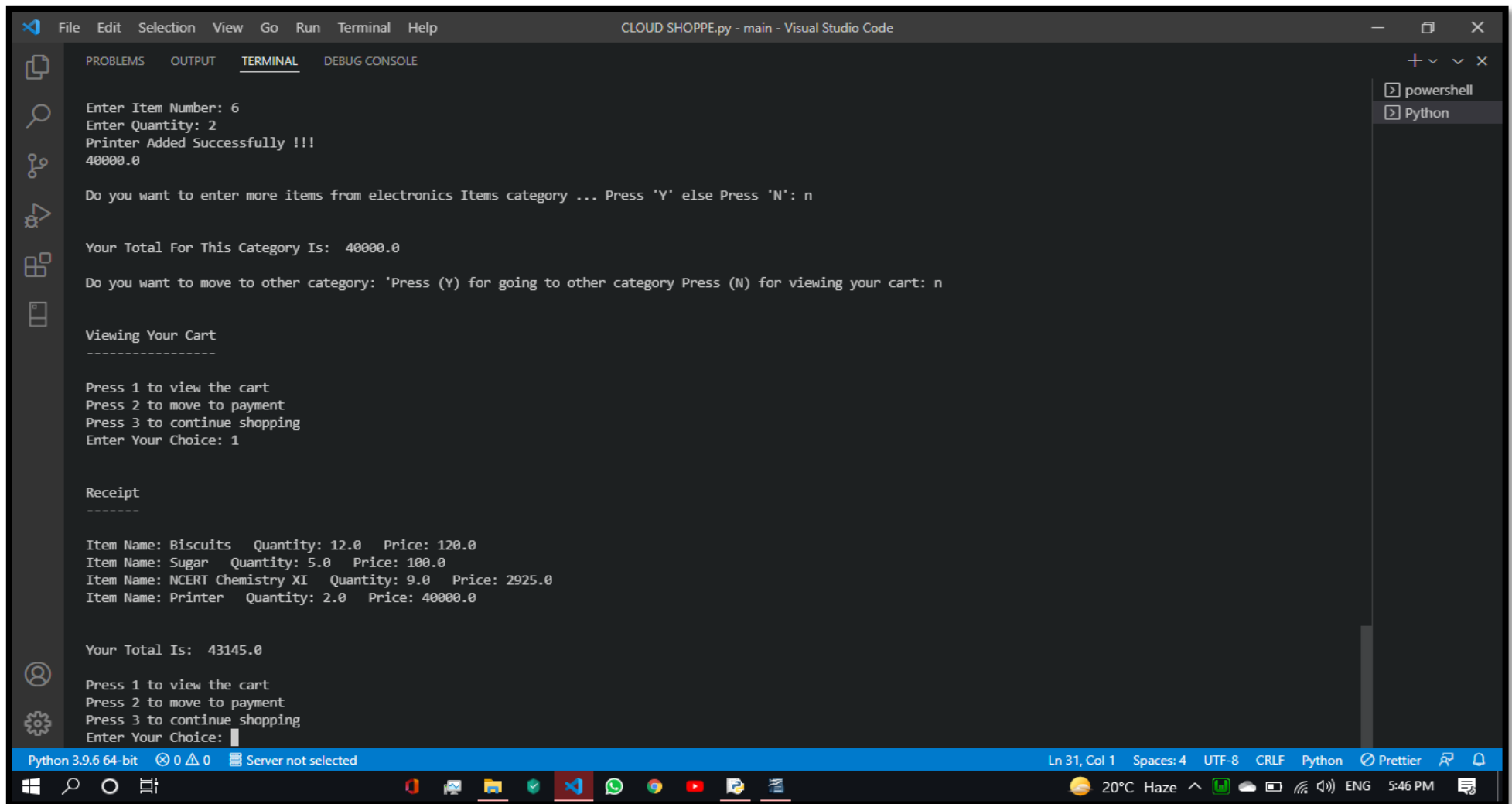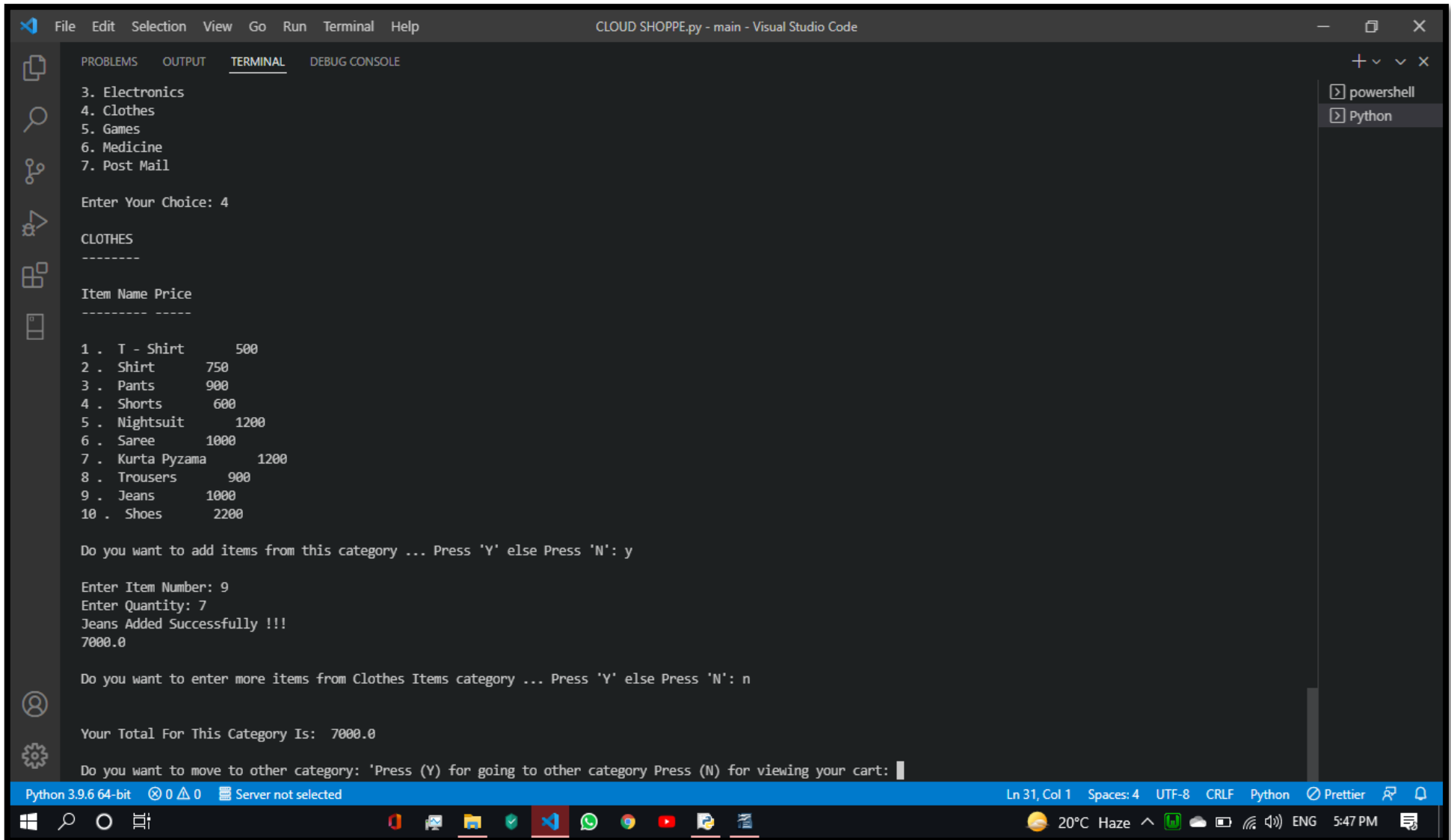
Output Screen of Category 4: Clothes

```
File   Edit   Selection   View   Go   Run   Terminal   Help              CLOUD SHOPPE.py - main - Visual Studio Code                          —    □    ×

PROBLEMS   OUTPUT   TERMINAL   DEBUG CONSOLE                                                                                        + ∨ ∨ ×
 3. Electronics                                                                                                        ⟩ powershell
 4. Clothes                                                                                                            ⟩ Python
 5. Games
 6. Medicine
 7. Post Mail

Enter Your Choice: 4

CLOTHES
--------

Item Name Price
--------- -----

1 .  T - Shirt       500
2 .  Shirt        750
3 .  Pants        900
4 .  Shorts        600
5 .  Nightsuit      1200
6 .  Saree        1000
7 .  Kurta Pyzama       1200
8 .  Trousers        900
9 .  Jeans        1000
10 .  Shoes        2200

Do you want to add items from this category ... Press 'Y' else Press 'N': y

Enter Item Number: 9
Enter Quantity: 7
Jeans Added Successfully !!!
7000.0

Do you want to enter more items from Clothes Items category ... Press 'Y' else Press 'N': n

Your Total For This Category Is:  7000.0

Do you want to move to other category: 'Press (Y) for going to other category Press (N) for viewing your cart: |

Python 3.9.6 64-bit    ⊗ 0 △ 0    ⊟ Server not selected                          Ln 31, Col 1   Spaces: 4   UTF-8   CRLF   Python   ⊘ Prettier
```
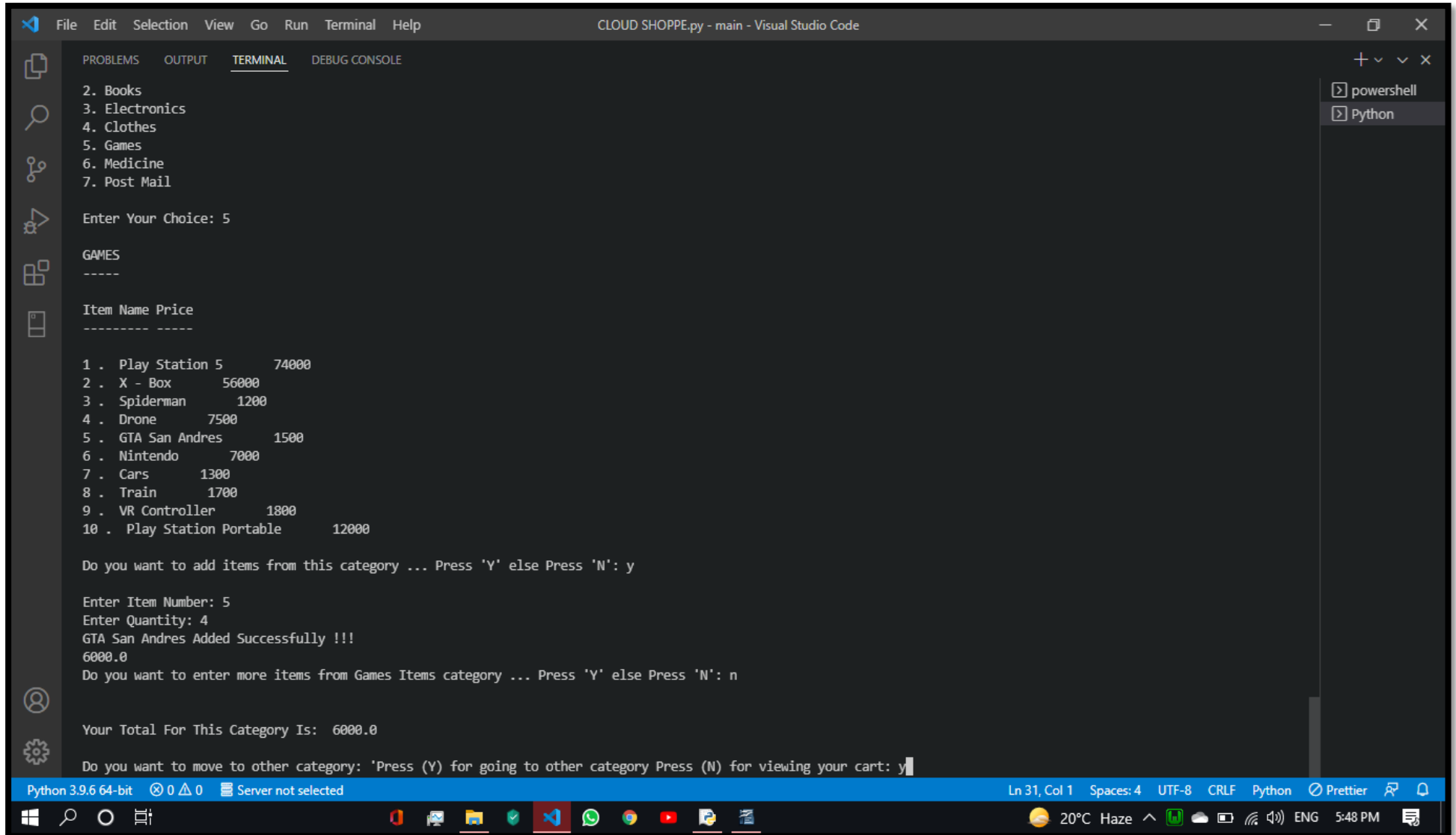
09 February 2022

Output Screen of Category 5: Games

```
File  Edit  Selection  View  Go  Run  Terminal  Help          CLOUD SHOPPE.py - main - Visual Studio Code                    —   ☐   ✕

PROBLEMS    OUTPUT    TERMINAL    DEBUG CONSOLE                                                              +  ∨  ∨  ✕

2. Books                                                                                                    ▷ powershell
3. Electronics                                                                                              ▷ Python
4. Clothes
5. Games
6. Medicine
7. Post Mail

Enter Your Choice: 5

GAMES
-----

Item Name Price
--------- -----

1 .  Play Station 5        74000
2 .  X - Box        56000
3 .  Spiderman        1200
4 .  Drone      7500
5 .  GTA San Andres        1500
6 .  Nintendo       7000
7 .  Cars      1300
8 .  Train      1700
9 .  VR Controller        1800
10 .  Play Station Portable        12000

Do you want to add items from this category ... Press 'Y' else Press 'N': y

Enter Item Number: 5
Enter Quantity: 4
GTA San Andres Added Successfully !!!
6000.0
Do you want to enter more items from Games Items category ... Press 'Y' else Press 'N': n


Your Total For This Category Is:  6000.0

Do you want to move to other category: 'Press (Y) for going to other category Press (N) for viewing your cart: y

Python 3.9.6 64-bit   ⊗ 0 ⚠ 0   🖳 Server not selected                        Ln 31, Col 1   Spaces: 4   UTF-8   CRLF   Python   ⊘ Prettier
```

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Output Screen of Category 6: Medicines

Now we are given the option to view card, proceed to payment or to continue shopping, since we have declined the option to move to any other category or continue in the same category. Here, we have chosen option 1 i.e. to view the cart so a receipt is displayed.

Then, we have chosen the Category 7: Postmail so we have been asked the sender and receiver details which the user has to enter. These include sender's and receiver's name, address and mobile number.

```
------------------

Press 1 to view the cart
Press 2 to move to payment
Press 3 to continue shopping
Enter Your Choice: 1


Receipt
-------

Item Name: Biscuits    Quantity: 12.0   Price: 120.0
Item Name: Sugar    Quantity: 5.0    Price: 100.0
Item Name: NCERT Chemistry XI    Quantity: 9.0    Price: 2925.0
Item Name: Printer    Quantity: 2.0    Price: 40000.0
Item Name: Jeans    Quantity: 7.0    Price: 7000.0
Item Name: GTA San Andres    Quantity: 4.0    Price: 6000.0
Item Name: Cough Syrup    Quantity: 3.0    Price: 240.0


Postmail Record
---------------

Sender Name: Ishpuneet Singh
Sender Address: Jalandhar
Sender Mobile Number: 2147483647
Reciever Name: Kamya Mehra
Reciever Address: Patiala
Reciever Mobile Number: 9753276456
Weight Of Package: 10.0


Your Total Is:  57385.0

Press 1 to view the cart
Press 2 to move to payment
Press 3 to continue shopping
Enter Your Choice:
```

At last we move to the payment option where we are provided with three options: Credit Card, Debit Card or Cash on delivery. Since here we have chosen the first option so the user has to enter the card details, including Card Holder Name, Card Number, Expiry Date and CVV. The user is also provided with the facility if he wants to save the card details for the future payments. After that an OTP is sent. Incase the card number or the OTP is invalid or doesn't exist, an error message is displayed so that the user can easily make corrections.

After entering the OTP, the payment is successful and the user is received with a message that his order would be delivered within certain number of days.

```
Reciever Mobile Number: 9753276456
Weight Of Package: 10.0


Your Total Is:  57385.0

Press 1 to view the cart
Press 2 to move to payment
Press 3 to continue shopping
Enter Your Choice: 2
Payment
--------
Your Total Is:  57385.0
Enter method for payment
Enter (1) for 'Credit Card' Enter (2) for 'Debit Card' Enter (3) for 'Cash On Delivery' :1
Enter Your Card Details
-----------------------
Enter Your Card Number: 87634525678

Invalid Card Number !
Try Again
Enter Your Card Number: 876345256785
Enter Card Holder Name: Ishpuneet Singh
Enter Expiry Date of Card: 03/23
Enter CVV: ***
Do You Want To Save Your Card Details ... Press (1) else Press (2) 1
Your OTP is:  830334
Enter otp: 830332
Payment Failed !!!
Your OTP is:  751914
Enter otp: 751914
Order Successful

You will recive your package by 6 days
Press 1 to view the cart
Press 2 to move to payment
Press 3 to continue shopping
Enter Your Choice:
```

SCREENSHOT OF DATABASES CREATED IN MySQL

```
c:\wamp64\bin\mysql\mysql8.0.21\bin\mysql.exe                                                    —    □    X

Server version: 8.0.21 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> connect CLOUD_SHOPPE;
Connection id:    134
Current database: CLOUD_SHOPPE

mysql> show tables;
+-----------------------+
| Tables_in_cloud_shoppe |
+-----------------------+
| login_details         |
| user_details          |
+-----------------------+
2 rows in set (0.06 sec)

mysql> select * from login_details;
+-----------------+----------+----------+---------------------+
| Name            | Username | Password | AccountCreatedOn    |
+-----------------+----------+----------+---------------------+
| Ishpuneet Singh | ips      | ips610   | 2022-02-09 17:38:30 |
| Kamya Mehra     | kamya2504 | kamya2504 | 2022-02-09 18:32:19 |
| Pritika         | pritika  | pritika  | 2022-02-09 18:42:39 |
+-----------------+----------+----------+---------------------+
3 rows in set (0.00 sec)

mysql> select * from user_details;
+-----------------+----------+----------+-----------+--------------+-------------------+
| Name            | Username | Password | Address   | MobileNumber | Email             |
+-----------------+----------+----------+-----------+--------------+-------------------+
| Ishpuneet Singh | ips      | ips610   | Jalandhar |   2147483647 | ips@gmail.com     |
| Kamya Mehra     | kamya2504 | kamya2504 | Patiala   |   2147483647 | kamya@gmail.com   |
| Pritika         | pritika  | pritika  | Amritsar  |   2147483647 | pritika@gmail.com |
+-----------------+----------+----------+-----------+--------------+-------------------+
3 rows in set (0.00 sec)

mysql> _
```

SCREENSHOT OF USER DATABASE

SCREENSHOT OF POSTMAIL RECORD

	A	B	C	D	E	F	G	H	I	J
1	Sender Name	Sender Address	Sender Mobile Number	Reciever Name	Reciver Address	Reciver Mobile Number	Weight Of Package			
2										
3	Ishpuneet Singh	Jalandhar	2147483647	Kamya Mehra	Patiala	9753276456	10.0			
4										
5	Sender Name	Sender Address	Sender Mobile Number	Reciever Name	Reciver Address	Reciver Mobile Number	Weight Of Package			
6										
7	Pritika	Amritsar	7987234590	Ishpuneet Singh	Jalandhar	9764538732	15.0			
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										

SCREENSHOT OF BINARY FILE CREATED
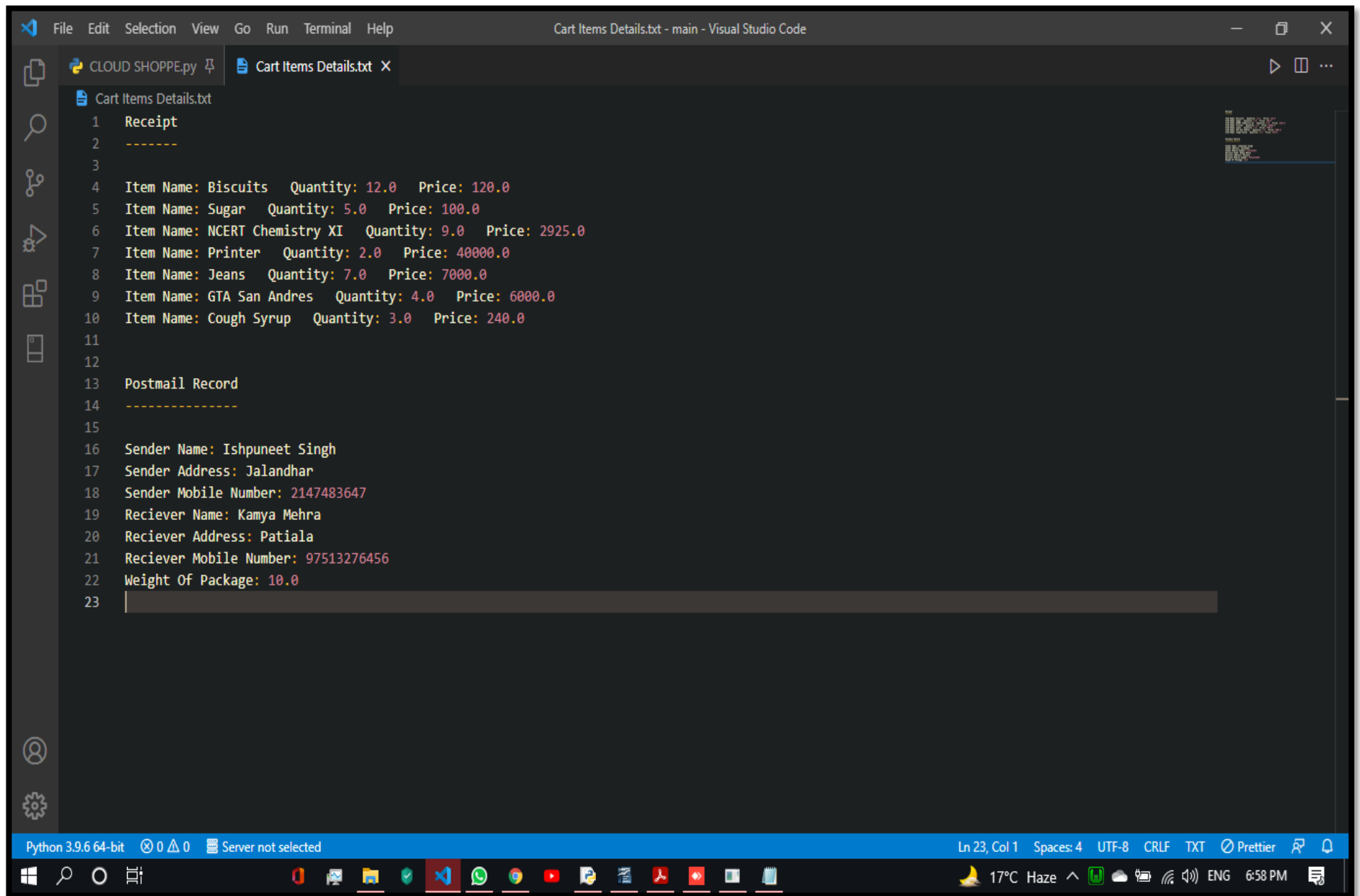
```
1  �EOT�.NULNULNULNULNULNULNUL]�(�ACKQk?
2  �NUL�SIIshpuneet Singh��ENQ03/23�M�STX�SOH
3  �e.
```

SCREENSHOT OF RECIEPT AND POSTMAIL RECORD

```
Receipt
-------

Item Name: Biscuits    Quantity: 12.0   Price: 120.0
Item Name: Sugar    Quantity: 5.0    Price: 100.0
Item Name: NCERT Chemistry XI    Quantity: 9.0    Price: 2925.0
Item Name: Printer    Quantity: 2.0    Price: 40000.0
Item Name: Jeans    Quantity: 7.0    Price: 7000.0
Item Name: GTA San Andres    Quantity: 4.0    Price: 6000.0
Item Name: Cough Syrup    Quantity: 3.0    Price: 240.0


Postmail Record
---------------

Sender Name: Ishpuneet Singh
Sender Address: Jalandhar
Sender Mobile Number: 2147483647
Reciever Name: Kamya Mehra
Reciever Address: Patiala
Reciever Mobile Number: 97513276456
Weight Of Package: 10.0
```