



COMPUTER SCIENCE PROJECT TERM II (2021-22)

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CLOUD SHOPPE



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ACKNOWLEDGEMENT

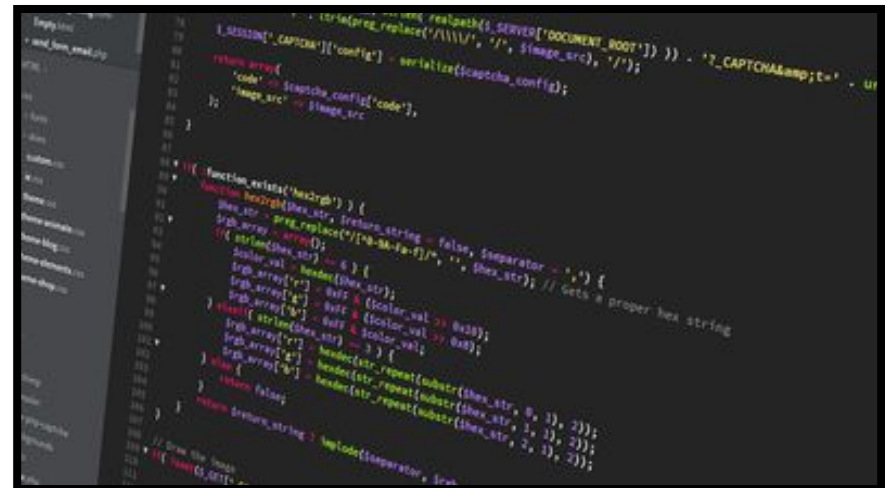
I would like to take this opportunity to express my gratitude to the people who have been instrumental in the successful completion of this project '**CLOUD SHOPPE**'. I express deep sense of gratitude to almighty God for giving me strength. Secondly, to my parents for their constant encouragement while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

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CODING OF THE PROJECT:



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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'")
```

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```
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, mobileneno, 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')
```

```
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="*")
```



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

# mobile no check length must be 10 digits

if len(str(mobilenos)) == 10:
    pass
else:
    while len(str(mobilenos)) != 10:
        print("Invalid Mobile Number")
        mobilenos = 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: ")
```

```
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, mobilenos, 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():
```

```
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, mobilenno, 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()
```

```
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]
mobilenos=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, mobilenos])
user_details.close()
```

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captcha code for login and sign up security

```
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

```
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("  ")
```



```
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: "))
```

```
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)):
```

```
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")
```

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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]
```

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```
* 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",
```

```
        "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
```

```
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
```

```
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])
```

```
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():
```

```
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():
```

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```
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))
```

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```
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])
```

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```
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():
```



```
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: "))
```

```
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()
```

```
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("-----")
```

```
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':
```

```
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("-----", "-----")
```

```
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': ")
```



```
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'
```

```
    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()
```

```
        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()
```

```
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
```

```
    receipt_record_slip = open("Receipt Record.txt", "r")
```

```
    slip = receipt_record_slip.read()
```

```
    print(slip)
```

```
        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, sendermobilenos, receivername, receiveraddress, receivermobilenos,
weightofpackage, main_record, receipt_record_list, postmail_total

global name, username, password, user_account, address, mobilenos, 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)
```

```
receipt_record = open("Receipt 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
```

```
    sendermobilenos = mobilenos
```

```
    # receiver details
```

```
print("Reciever Details")
print("-----")

recievername = input("Enter Reciever Name: ")
recieveraddress = input("Enter Reciver Address: ")
recivermobileneno = 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, sendermobileneno,
                                recievername, recieveraddress, recivermobileneno, 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, sendermobileneno,
                            recievername, recieveraddress, recivermobileneno, 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(sendermobilenos))
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(recivermobilenos))
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: ")
sendermobilenos = int(input("Enter Sender Mobile Number: "))
```

```
print()
```

```
# reciver details
```

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

```
recievername = input("Enter Reciever Name: ")
recieveraddress = input("Enter Reciver Address: ")
recivermobileneno = 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, sendermobileneno,
                                recievername, recieveraddress, recivermobileneno, 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, sendermobileneno,
                           recievername, recieveraddress, recivermobileneno, weightofpackage]

postmail_total = weightofpackage*100

value = 0

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

```
receipt_record.write(": ")
receipt_record.write(str(receipt_record_list_value[value]))
receipt_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(sendermobilenos))
cart_items_details.write("\n")
cart_items_details.write("Receiver Name: ")
cart_items_details.write(receivername)
cart_items_details.write("\n")
cart_items_details.write("Receiver Address: ")
cart_items_details.write(receiveraddress)
```

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```
cart_items_details.write("\n")
cart_items_details.write("Reciever Mobile Number: ")
cart_items_details.write(str(recivermobilenos))
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():
```

```
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()
```



```
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")
```

```
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 receive your package by", delivery, "days")

        cart_items_details.close()
        update_cart = 2

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

```
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']
```

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

```
# _main_
```

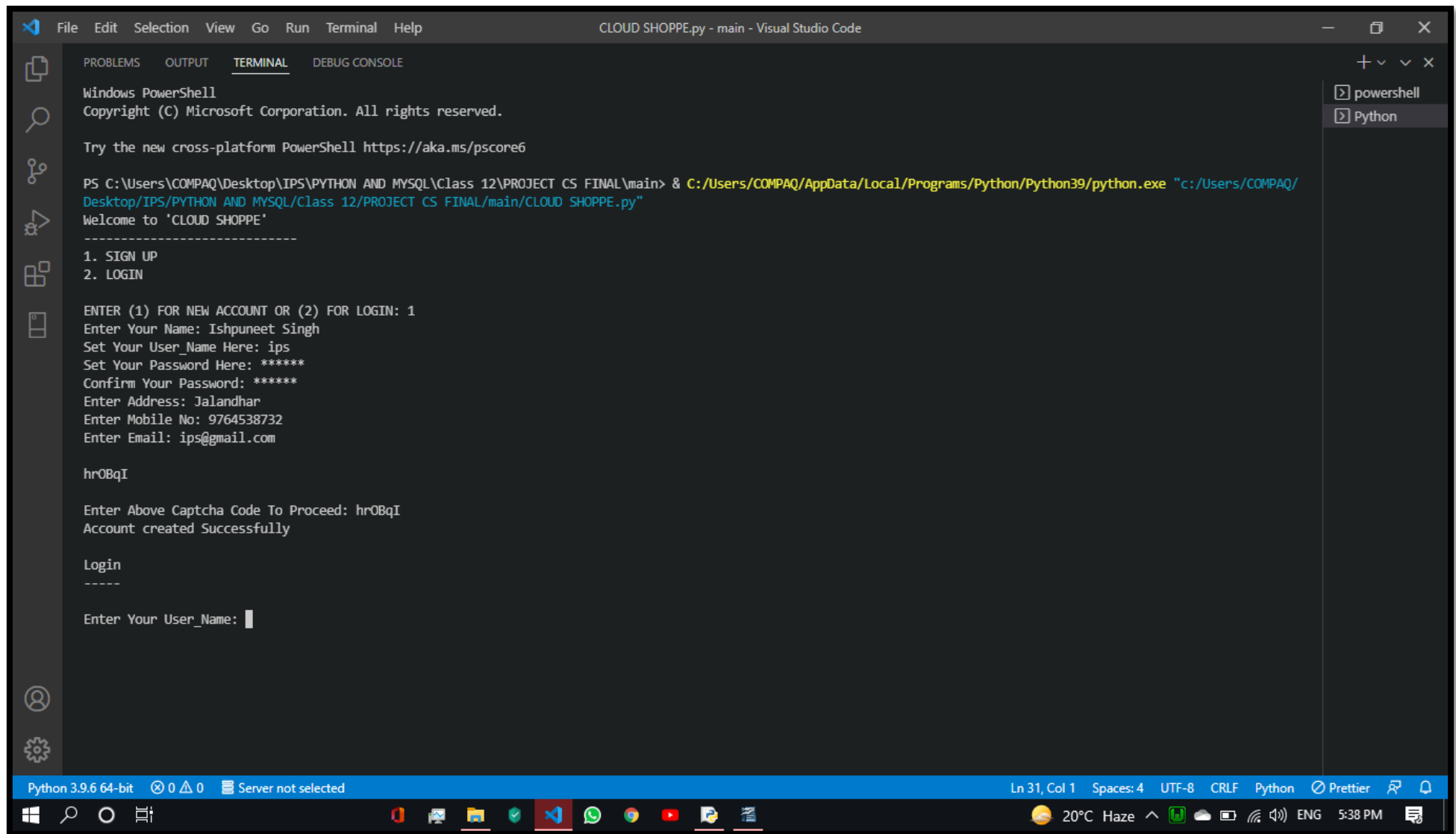
```
connecting_the_database()
creating_user_account()
logging_into_user_account()
shopping_list()
```

SCREENSHOTS OF THE OUTPUT WINDOWS:



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



```
File Edit Selection View Go Run Terminal Help CLOUD SHOPPE.py - main - Visual Studio Code
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\COMPAQ\Desktop\IPS\PYTHON AND MYSQL\Class 12\PROJECT CS FINAL\main> & C:/Users/COMPAQ/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/COMPAQ/Desktop/IPS/PYTHON AND MYSQL/Class 12/PROJECT CS FINAL/main/CLOUD SHOPPE.py"
Welcome to 'CLOUD SHOPPE'
-----
1. SIGN UP
2. LOGIN

ENTER (1) FOR NEW ACCOUNT OR (2) FOR LOGIN: 1
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

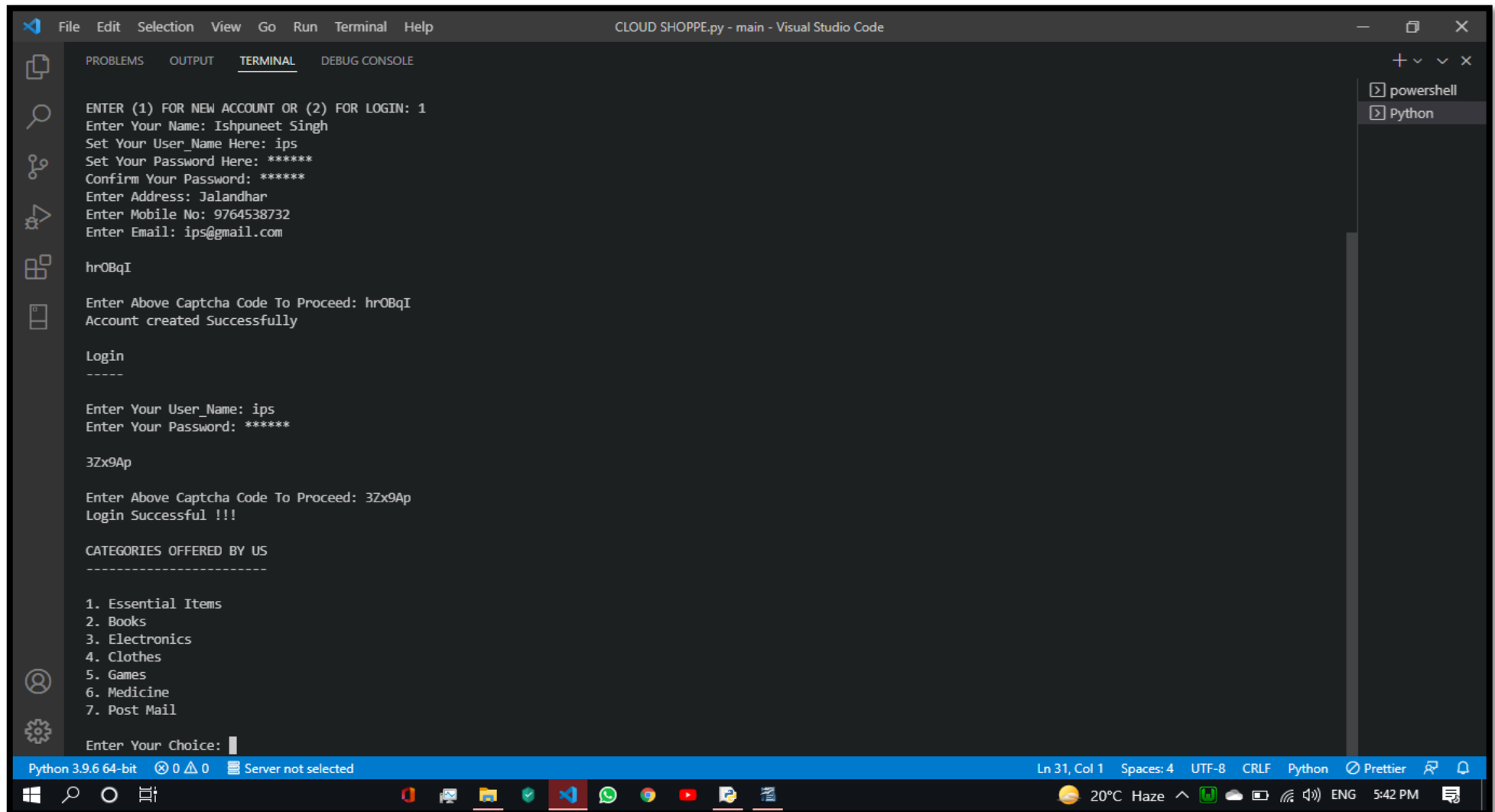
Enter Above Captcha Code To Proceed: hrOBqI
Account created Successfully

Login
-----

Enter Your User_Name: 
```

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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
ENTER (1) FOR NEW ACCOUNT OR (2) FOR LOGIN: 1
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

hr0BqI

Enter Above Captcha Code To Proceed: hr0BqI
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
-----

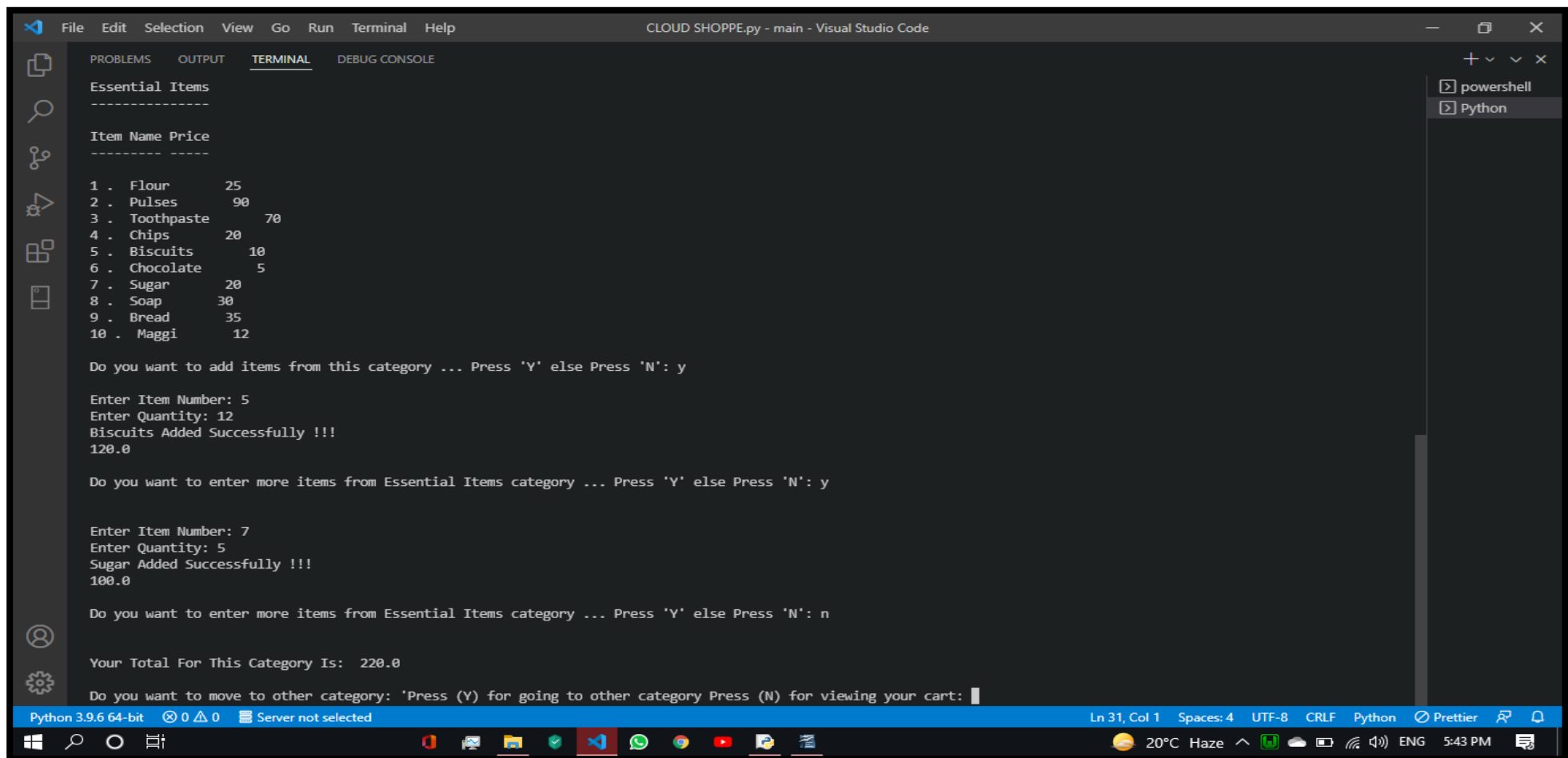
1. Essential Items
2. Books
3. Electronics
4. Clothes
5. Games
6. Medicine
7. Post Mail

Enter Your Choice: 
```

Python 3.9.6 64-bit 0 0 Server not selected Ln 31, Col 1 Spaces: 4 UTF-8 CRLF Python Prettier 20°C Haze ENG 5:42 PM

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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



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

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

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

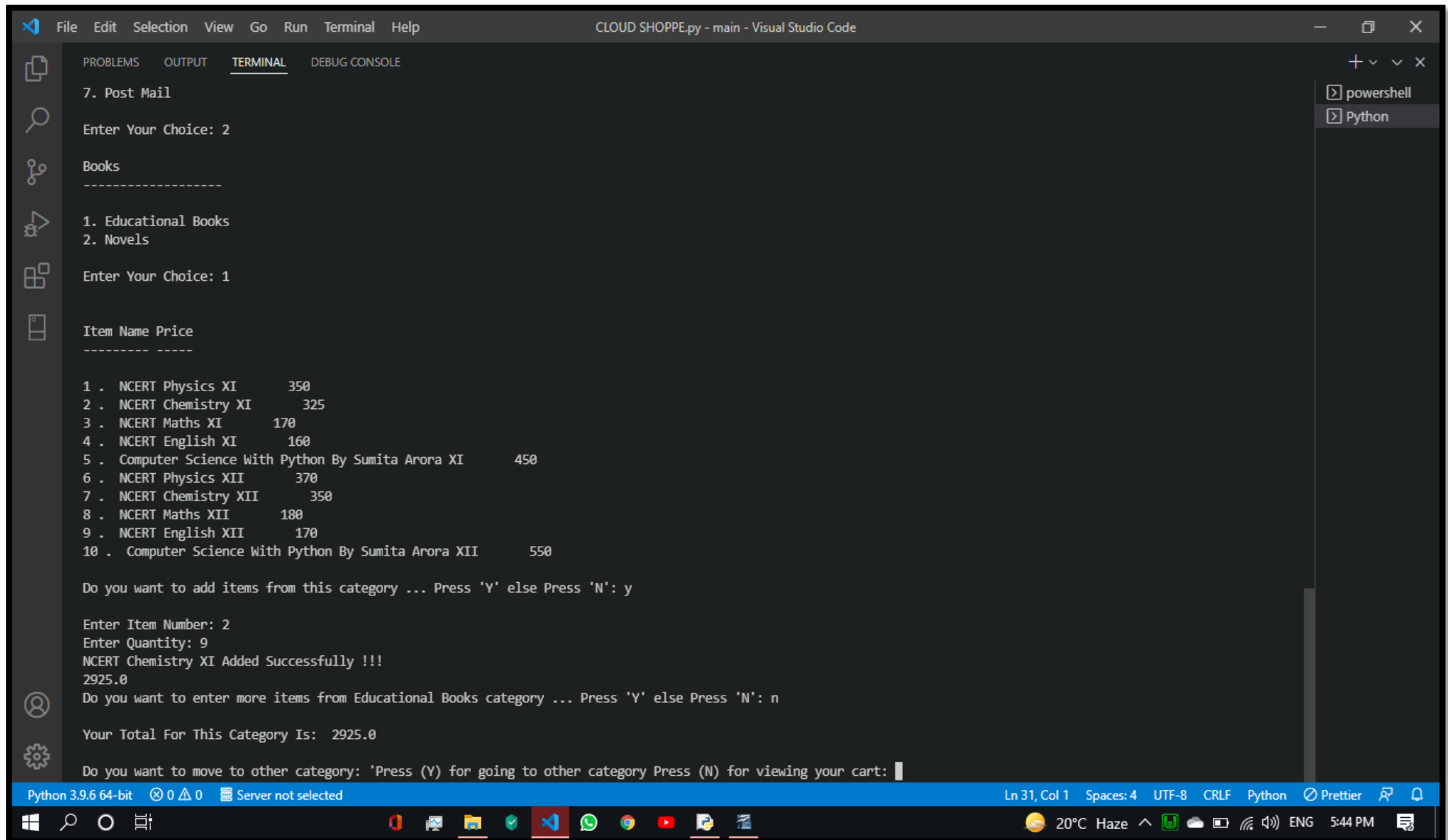
Enter Item Number: 7
Enter Quantity: 5
Sugar Added Successfully !!!
100.0

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

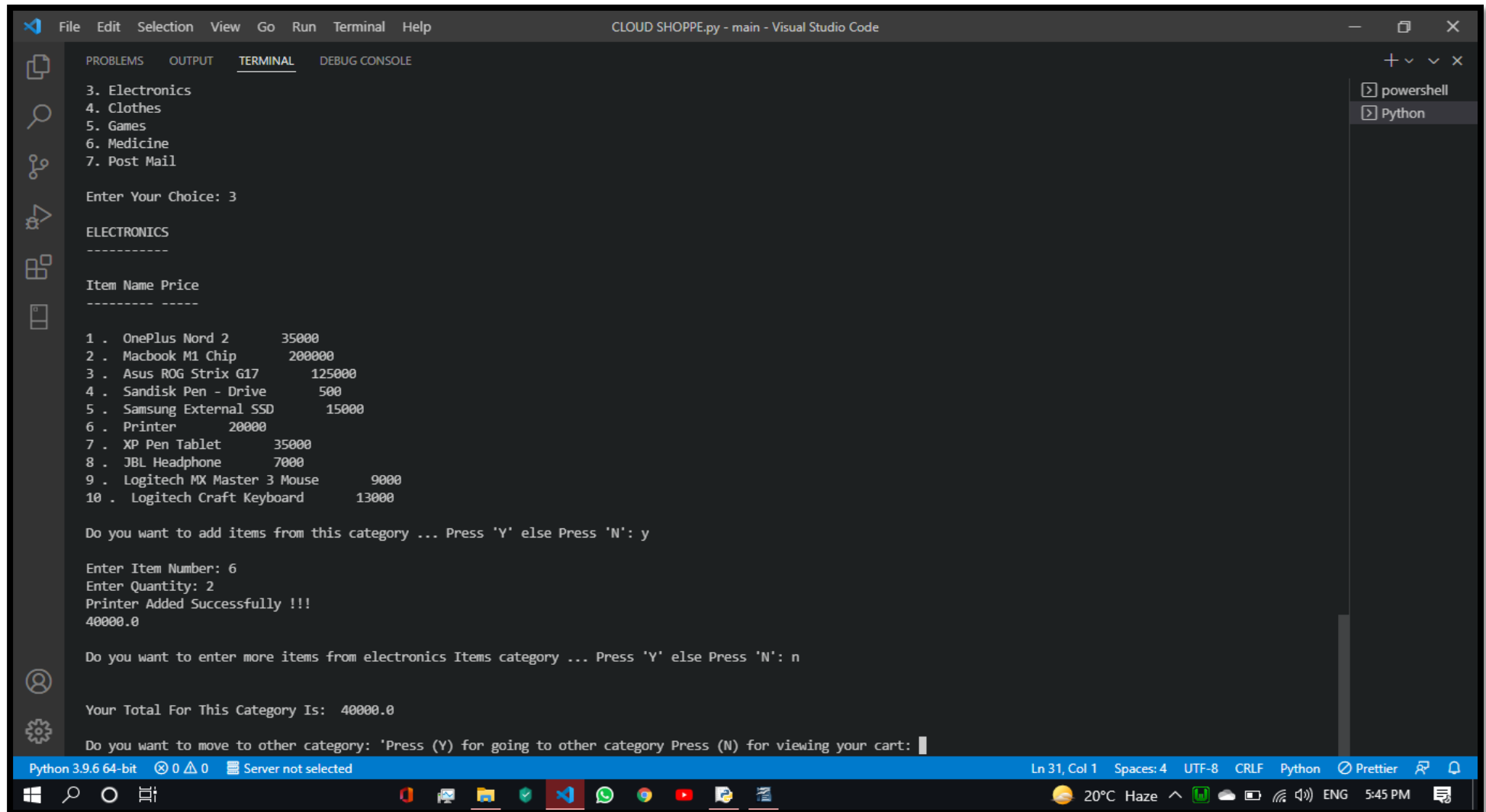
Do you want to move to other category: 'Press (Y) for going to other category Press (N) for viewing your cart: '
```

Output Screen for category 2: Books



```
File Edit Selection View Go Run Terminal Help CLOUD SHOPPE.py - main - Visual Studio Code
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
7. Post Mail
Enter Your Choice: 2
Books
-----
1. Educational Books
2. Novels
Enter Your Choice: 1
Item Name Price
-----
1 . NCERT Physics XI      350
2 . NCERT Chemistry XI    325
3 . NCERT Maths XI       170
4 . NCERT English XI     160
5 . Computer Science With Python By Sumita Arora XI    450
6 . NCERT Physics XII     370
7 . NCERT Chemistry XII   350
8 . NCERT Maths XII       180
9 . NCERT English XII     170
10 . Computer Science With Python By Sumita Arora XII   550
Do you want to add items from this category ... Press 'Y' else Press 'N': y
Enter Item Number: 2
Enter Quantity: 9
NCERT Chemistry XI Added Successfully !!!
2925.0
Do you want to enter more items from Educational Books category ... Press 'Y' else Press 'N': n
Your Total For This Category Is: 2925.0
Do you want to move to other category: 'Press (Y) for going to other category Press (N) for viewing your cart: 
```

Output screen for category 3: Electronics



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

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

3. Electronics
4. Clothes
5. Games
6. Medicine
7. Post Mail

Enter Your Choice: 3

ELECTRONICS
-----

Item Name Price
-----

1 . OnePlus Nord 2      35000
2 . Macbook M1 Chip    200000
3 . Asus ROG Strix G17  125000
4 . Sandisk Pen - Drive  500
5 . Samsung External SSD 15000
6 . Printer            20000
7 . XP Pen Tablet      35000
8 . JBL Headphone       7000
9 . Logitech MX Master 3 Mouse 9000
10 . Logitech Craft Keyboard 13000

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

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

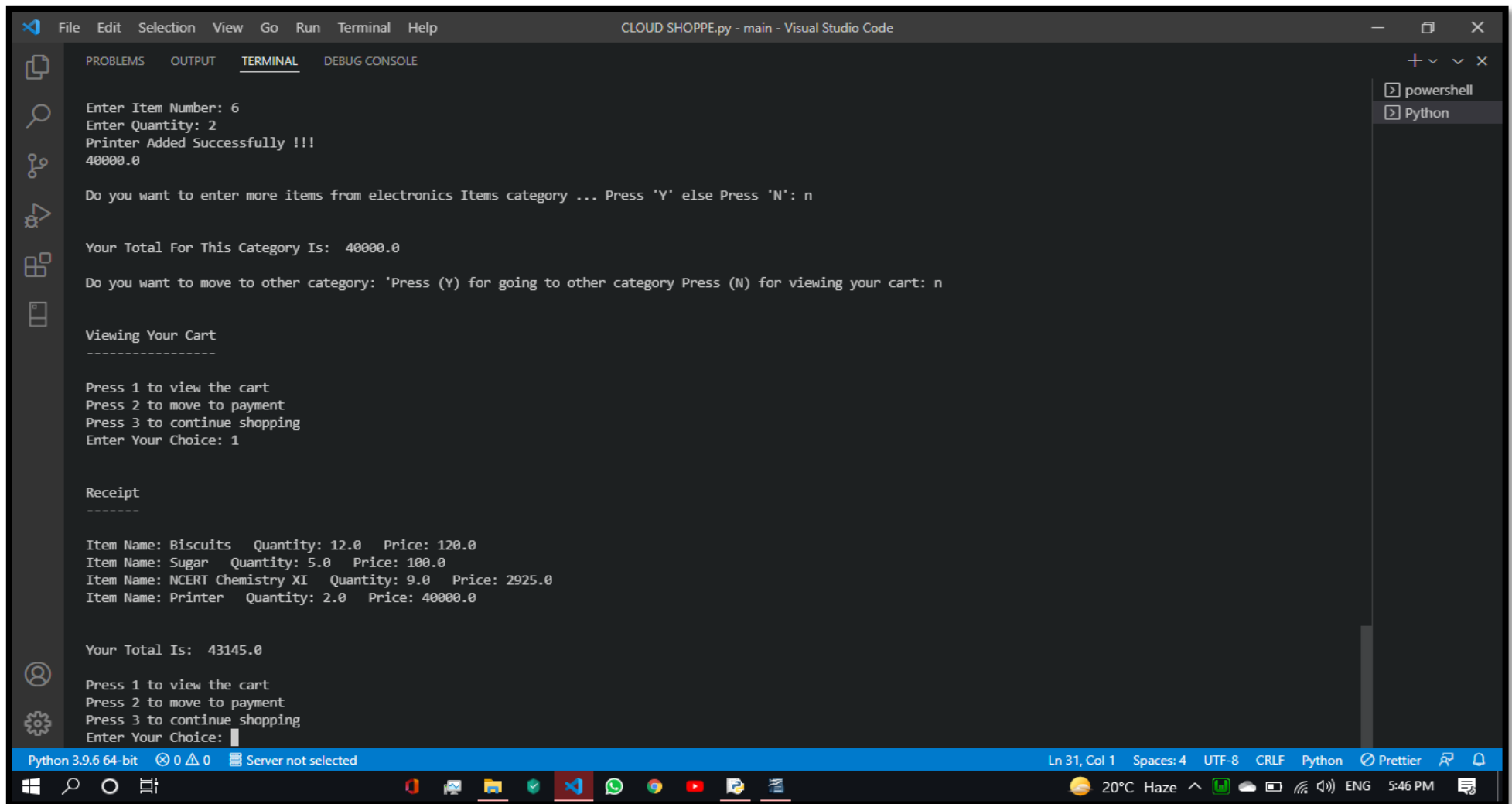
Your Total For This Category Is: 40000.0

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

Python 3.9.6 64-bit 0 1/1 Server not selected
Ln 31, Col 1 Spaces: 4 UTF-8 CRLF Python Prettier
20°C Haze ENG 5:45 PM
```

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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.



```
File Edit Selection View Go Run Terminal Help CLOUD SHOPPE.py - main - Visual Studio Code
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
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
-----

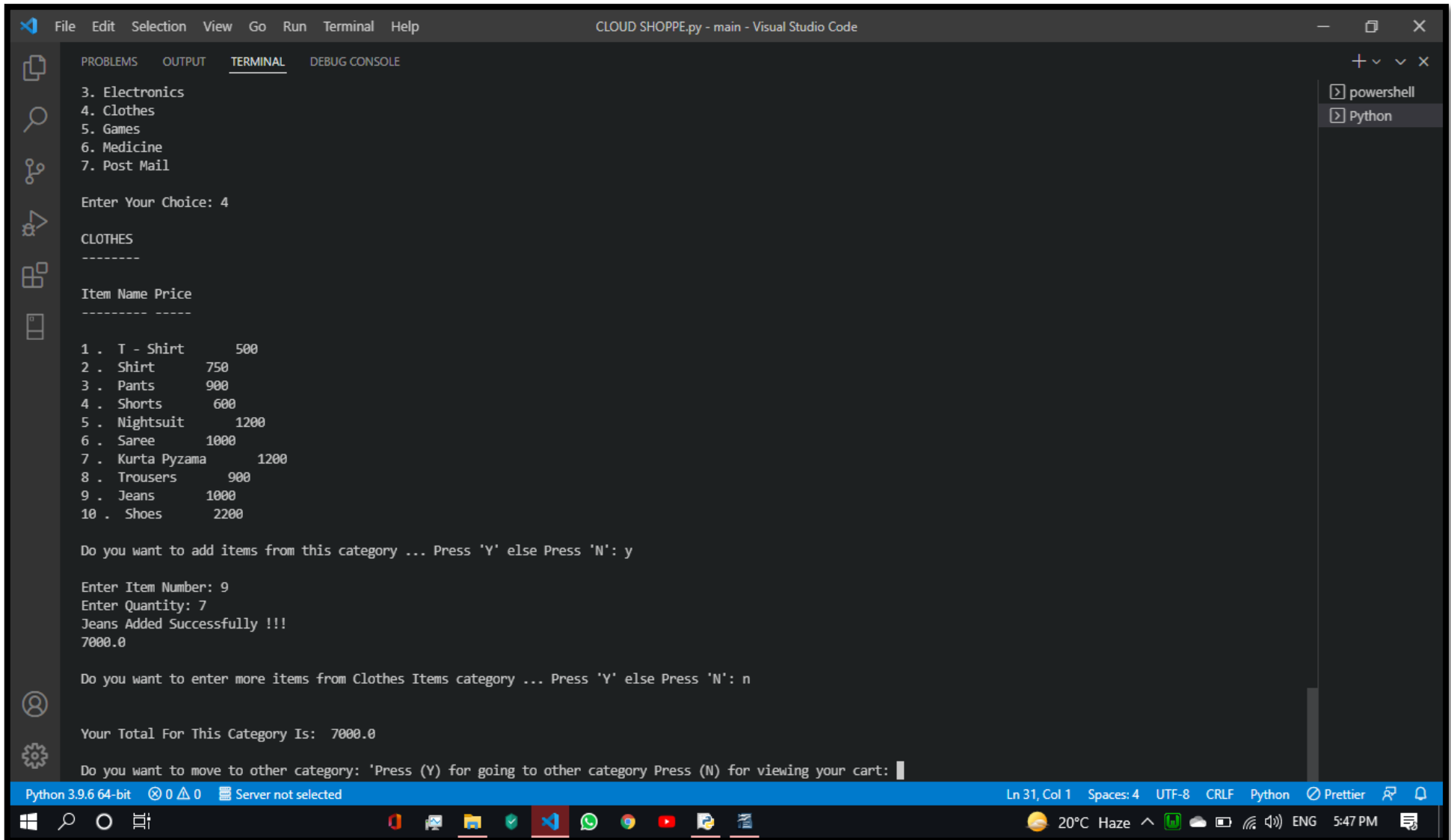
Item Name: Biscuits Quantity: 12.0 Price: 120.0
Item Name: Sugar Quantity: 5.0 Price: 100.0
Item Name: NCERT Chemistry XI Quantity: 9.0 Price: 2925.0
Item Name: Printer Quantity: 2.0 Price: 40000.0

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: |
```

Python 3.9.6 64-bit 0 0 0 Server not selected Ln 31, Col 1 Spaces: 4 UTF-8 CRLF Python Prettier 20°C Haze ENG 5:46 PM

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
4. Clothes
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

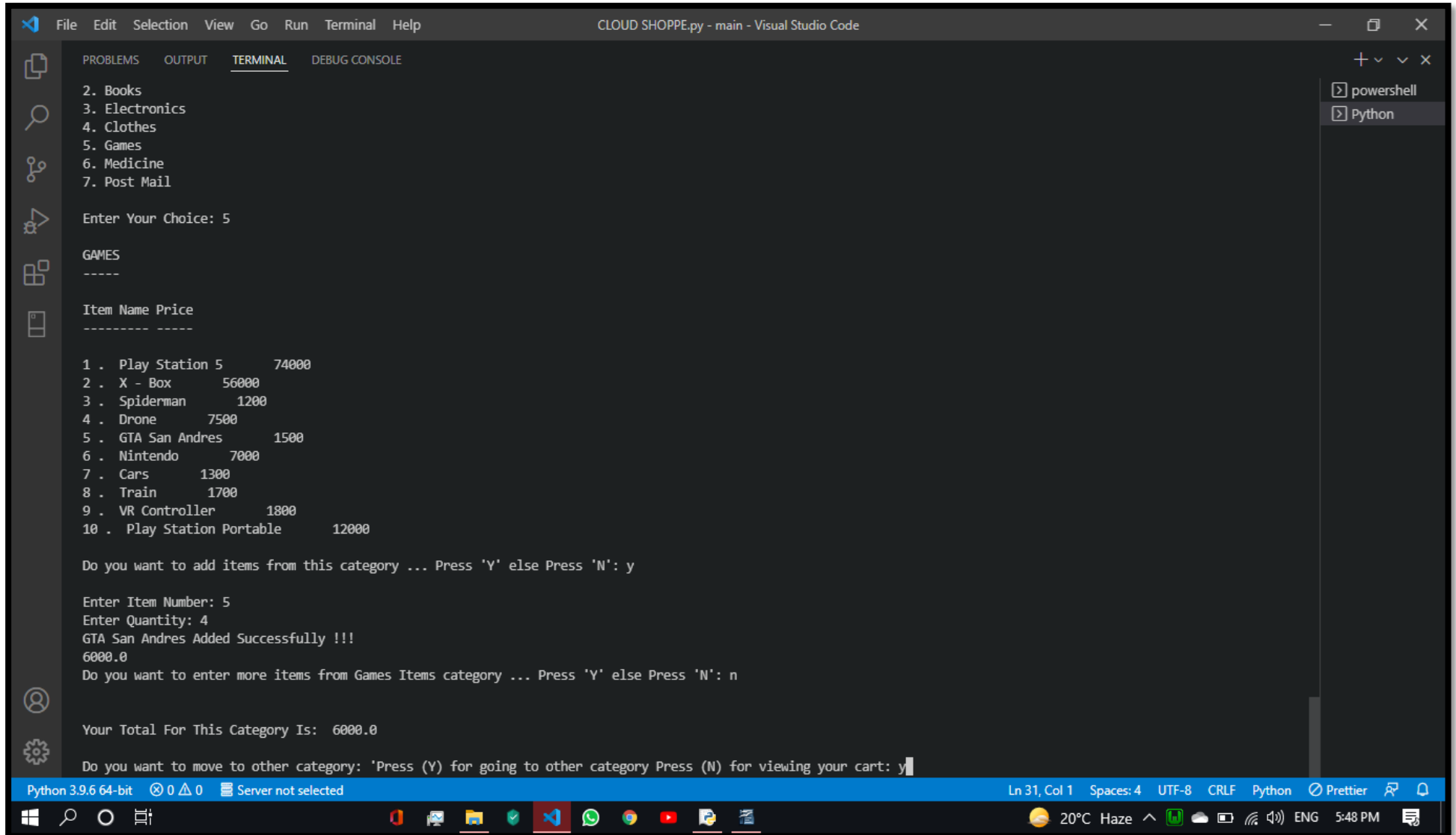
Do you want to enter more items from Clothes Items category ... Press 'Y' else Press 'N': n

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 20°C Haze ENG 5:47 PM

Output Screen of Category 5: Games



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the output of a Python program. The program lists categories 2 through 7, with '5. Games' selected. It then displays a list of 10 items with their names and prices. The user enters '5' for the item number and '4' for the quantity, resulting in 'GTA San Andres' being added to the cart for a total of 6000.0. The program then asks if the user wants to enter more items or move to another category.

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

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

2. Books
3. Electronics
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

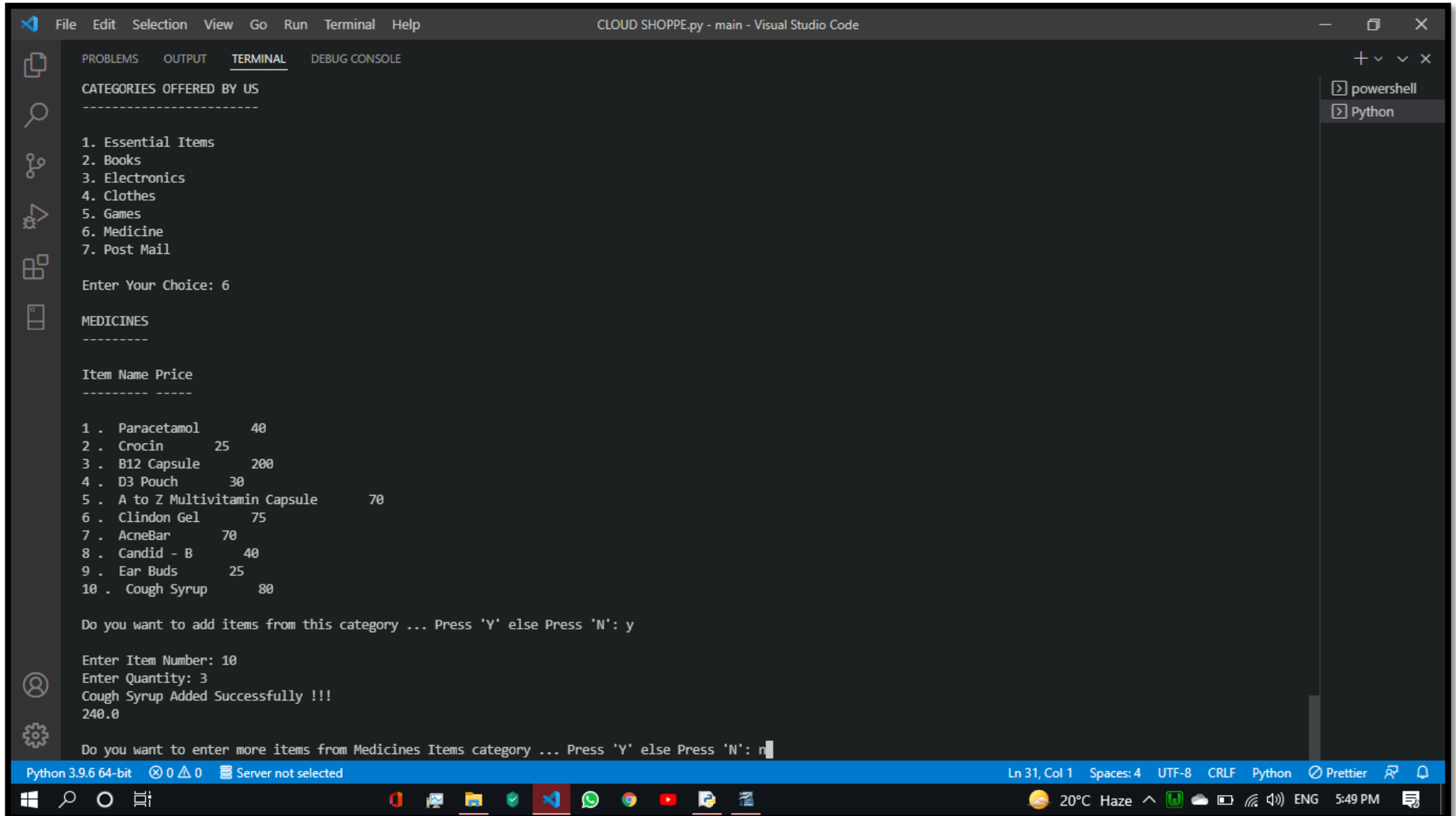
Your Total For This Category Is: 6000.0

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 20°C Haze ENG 5:48 PM

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Output Screen of Category 6: Medicines



```
File Edit Selection View Go Run Terminal Help CLOUD SHOPPE.py - main - Visual Studio Code
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
CATEGORIES OFFERED BY US
-----
1. Essential Items
2. Books
3. Electronics
4. Clothes
5. Games
6. Medicine
7. Post Mail

Enter Your Choice: 6

MEDICINES
-----

Item Name Price
-----
1 . Paracetamol      40
2 . Crocin           25
3 . B12 Capsule      200
4 . D3 Pouch         30
5 . A to Z Multivitamin Capsule      70
6 . Clindon Gel       75
7 . AcneBar           70
8 . Candid - B       40
9 . Ear Buds         25
10 . Cough Syrup      80

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

Enter Item Number: 10
Enter Quantity: 3
Cough Syrup Added Successfully !!!
240.0

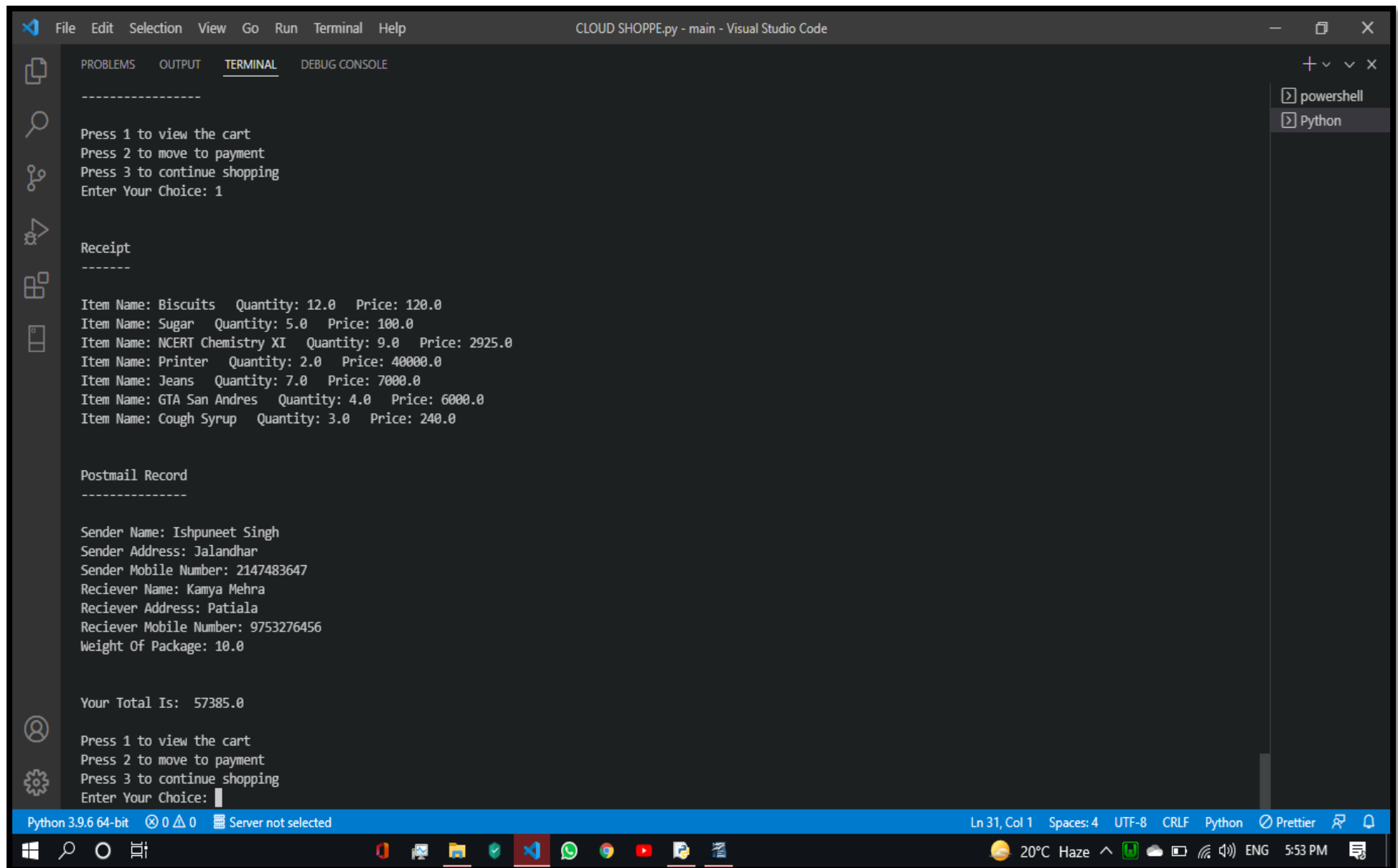
Do you want to enter more items from Medicines Items category ... Press 'Y' else Press 'N': n
```

Python 3.9.6 64-bit 0 0 Server not selected Ln 31, Col 1 Spaces: 4 UTF-8 CRLF Python Prettier ENG 5:49 PM

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.

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

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

-----

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: 1
```

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

20°C Haze ENG 5:53 PM

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.

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

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

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 CW: ***
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: |

Python 3.9.6 64-bit 0 0 0 Server not selected Ln 31, Col 1 Spaces: 4 UTF-8 CRLF Python Prettier 19°C AQI 104 ENG 5:55 PM
```

SCREENSHOT OF DATABASES CREATED IN MySQL



```
c:\wamp64\bin\mysql\mysql8.0.21\bin\mysql.exe
Server version: 8.0.21 MySQL Community Server - GPL

Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
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 |
| Kanya Mehra    | kanya2504 | kanya2504 | 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 |
| Kanya Mehra    | kanya2504 | kanya2504 | Patiala   | 2147483647 | kanya@gmail.com |
| Pritika        | pritika  | pritika  | Amritsar  | 2147483647 | pritika@gmail.com |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> .
```

SCREENSHOT OF USER DATABASE

```
521 $result1 = mysql_query($sql1);
522 $result2 = mysql_query($sql2);
523 $result3 = mysql_query($sql3);
524 $result4 = mysql_query($sql4);
525 $result5 = mysql_query($sql5);
526 $result6 = mysql_query($sql6);
527 $result11 = mysql_query($sql11);
528 $result22 = mysql_query($sql22);
529 $result33 = mysql_query($sql33);
530 $result44 = mysql_query($sql44);
531 $result55 = mysql_query($sql55);
532 $result66 = mysql_query($sql66);
533
534 mysql_close();
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537 echo '<p style="font-size:12px; font-family:Arial, Helv
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```

Visual Studio Code interface showing a CSV file named "User Details.csv" open in the editor. The file contains user details with columns: Name, Username, Address, and MobileNumber.

The CSV data is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Name	Username	Address	MobileNumber									
2													
3	Ishpuneet Singh	ips	Jalandhar	9764538732									
4													
5	Name	Username	Address	MobileNumber									
6													
7	Kamya Mehra	kamya2504	Patiala	8734509238									
8													
9	Name	Username	Address	MobileNumber									
10													
11	Pritika	pritika	Amritsar	7987234590									
12													
13													
14													
15													
16													
17													

The interface also shows the Python 3.9.6 64-bit environment and the status bar indicating "Server not selected".

SCREENSHOT OF POSTMAIL RECORD



09 FEBRUARY 2022

Visual Studio Code interface showing a CSV file named 'Main Record.csv' open in the editor. The file contains a table with 8 columns: Sender Name, Sender Address, Sender Mobile Number, Reciever Name, Reciver Address, Reciver Mobile Number, Weight Of Package, and an empty column. The data is organized into two identical blocks of 3 rows each, with the first block starting at row 1 and the second at row 5.

	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										

The interface also shows the file explorer on the left with 'CLOUD SHOPPE.py' and 'Main Record.csv' listed. The bottom status bar indicates 'Python 3.9.6 64-bit' and 'Server not selected'.

SCREENSHOT OF BINARY FILE CREATED

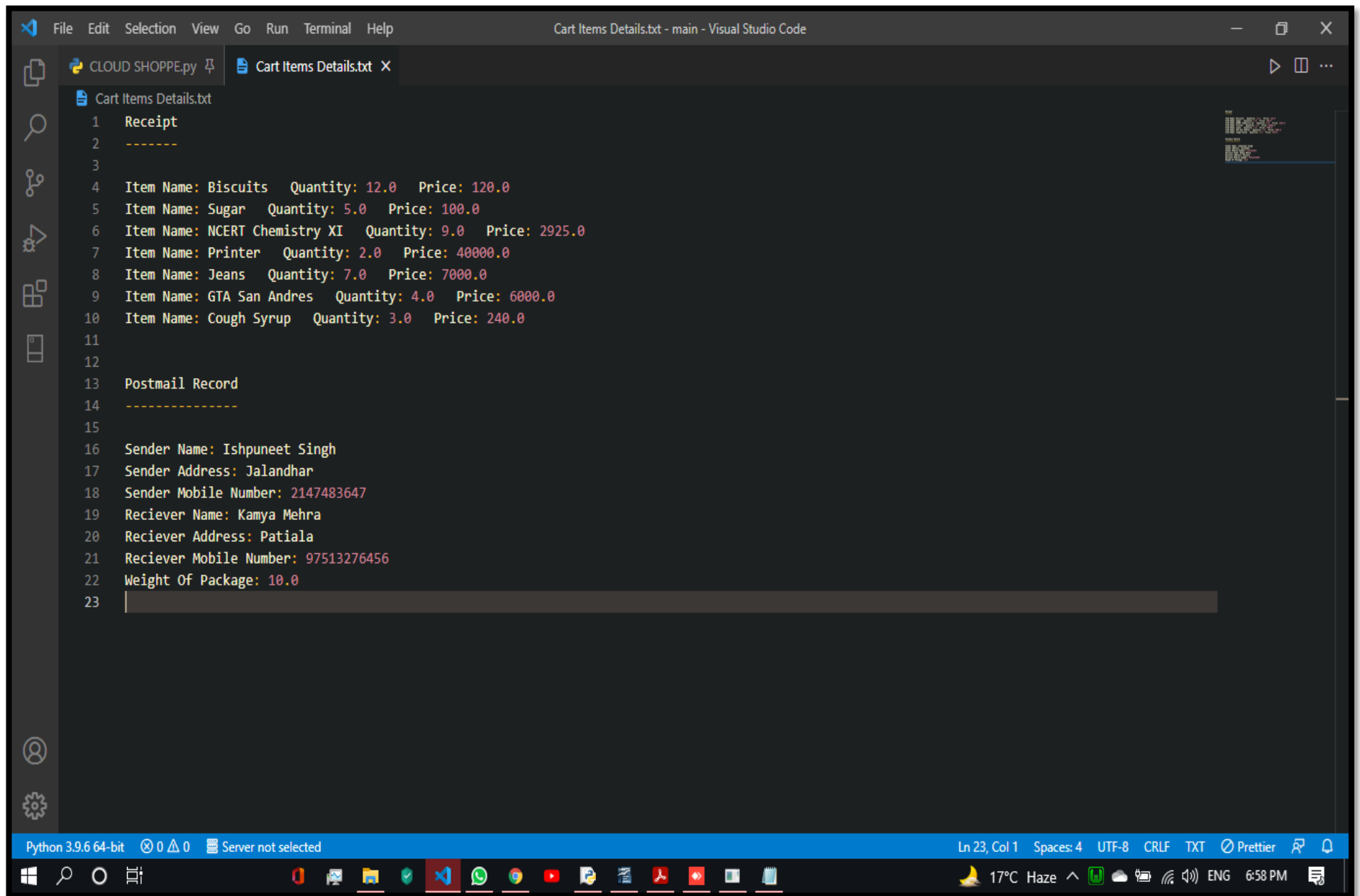


09 FEBRUARY 2022

[illegible]

SCREENSHOT OF RECIEPT AND POSTMAIL RECORD





The screenshot shows the Visual Studio Code interface with a file named 'Cart Items Details.txt' open. The file contains a receipt with the following details:

```
1 Receipt
2 -----
3
4 Item Name: Biscuits   Quantity: 12.0   Price: 120.0
5 Item Name: Sugar     Quantity: 5.0    Price: 100.0
6 Item Name: NCERT Chemistry XI   Quantity: 9.0   Price: 2925.0
7 Item Name: Printer   Quantity: 2.0   Price: 40000.0
8 Item Name: Jeans     Quantity: 7.0   Price: 7000.0
9 Item Name: GTA San Andres   Quantity: 4.0   Price: 6000.0
10 Item Name: Cough Syrup   Quantity: 3.0   Price: 240.0
11
12
13 Postmail Record
14 -----
15
16 Sender Name: Ishpuneet Singh
17 Sender Address: Jalandhar
18 Sender Mobile Number: 2147483647
19 Reciever Name: Kamya Mehra
20 Reciever Address: Patiala
21 Reciever Mobile Number: 97513276456
22 Weight Of Package: 10.0
23
```

The status bar at the bottom indicates the file is encoded in UTF-8 with CRLF line endings, using the Prettier formatter. The system tray shows the date and time as 6:58 PM on 09 FEBRUARY 2022.

