def calculate\_ticket\_price(seats):

first\_class = 'ABCDEFG'

second\_class = 'GHIJKLMNOPQRSTUVWX'

economic\_class = 'YZ'

price\_per\_ticket = 0

for seat in seats:

row = seat[0].upper()

if row in first\_class:

price\_per\_ticket += 200

elif row in second\_class:

price\_per\_ticket += 150

elif row in economic\_class:

price\_per\_ticket += 50

gst = price\_per\_ticket \* 0.18

return price\_per\_ticket + gst

def calculate\_snack\_price(snack\_choice):

snack\_prices = {

'1': 100, # Popcorn

'2': 80, # Ice Cream

'3': 60, # Puffs

'4': 40, # Tea

'5': 50 # Soft Drinks

}

total\_snack\_price = sum(snack\_prices[snack] for snack in snack\_choice)

return total\_snack\_price + (total\_snack\_price \* 0.18) # GST 18%

def main():

name = input("Enter your name: ")

phone = input("Enter your phone number: ")

while not (phone.isdigit() and len(phone) == 10):

print("Invalid phone number! Please enter a 10-digit number.")

phone = input("Enter your phone number: ")

dob = input("Enter your Date of Birth (DD/MM/YYYY): ")

num\_seats = int(input("Select total number of seats: "))

print("Available Seats: A-Z with decreasing columns")

seats = input("Select Your Seats (comma separated, e.g., A2,A3,A4): ").split(',')

ticket\_price = calculate\_ticket\_price(seats)

snacks\_choice = input("Do you want snacks? (Yes/No): ").strip().lower()

snack\_price = 0

if snacks\_choice == 'yes':

print("1. Popcorn - Rs.100\n2. Ice Cream - Rs.80\n3. Puffs - Rs.60\n4. Tea - Rs.40\n5. Soft Drinks - Rs.50")

snack\_selection = input("Enter snack numbers separated by commas (e.g., 1,3,5): ").split(',')

snack\_price = calculate\_snack\_price(snack\_selection)

total\_price = ticket\_price + snack\_price

print(f"\nHi {name}..! You have successfully booked {num\_seats} tickets. Seats: {', '.join(seats)}.")

print(f"Your total ticket price (including GST) is Rs.{ticket\_price:.2f}")

if snack\_price > 0:

print(f"Your snacks price (including GST) is Rs.{snack\_price:.2f}")

print(f"Total amount payable: Rs.{total\_price:.2f}")

if \_name\_ == "\_main\_":

    main()