**#RUDRA NARAYAN BHADRA**

**#DATE:8/7/2025**

**#without list comprehension(only loop,if-else,list)**

**from random import randint,choice**

**from datetime import date**

**today=date.today()**

**print("NAMASTE!WELCOME TO IRCTC")**

**matched={}**

**train\_name=[**

**{"number": 12399, "name": "Kolkata Express", "from": "Kolkata", "to": "Delhi", "time": "08:00 AM"},**

**{"number": 10654,"name": "Rajdhani Express", "from": "Kolkata","to": "Delhi", "time": "06:00 PM"},**

**{"number": 12983,"name": "Chennai Mail", "from": "Chennai", "to": "Mumbai", "time": "09:30 AM"},**

**{"number": 12034, "name": "Mumbai Express", "from": "Chennai", "to": "Mumbai", "time": "07:45 PM"}**

**]**

**while True:**

**print("\n:::::Main Menu:::::")**

**print("1. Book ticket")**

**print("2. Show booked ticket")**

**print("3. Exit")**

**choice\_number=input("Enter your choice: ")**

**if choice\_number== "1":**

**name = input("Enter your name: ")**

**age = input("Enter your age: ")**

**gender = input("Enter your gender: ")**

**from\_station = input("From which station: ")**

**to\_station = input("Destination station: ")**

**coach\_type =input("Enter your class(1A,2A,3A,SL,GENERAL): ")**

**arrival\_date =(input("enter date: "))**

**print("Available Trains:")**

**for train in train\_name:**

**if(train["from"] == from\_station and train["to"] == to\_station):**

**print(train["number"], "→", train["name"], "→", train["time"])**

**select = int(input("Enter the train number which you want to book: "))**

**for train in train\_name:**

**if train["number"] == select:**

**selected\_train = train**

**if selected\_train:**

**pnr = randint(100000, 999999)**

**seat\_no = randint(15, 50)**

**berth\_type = choice(["LOWER", "UPPER", "MIDDLE","SIDE UPPER","SIDE LOWER"])**

**train\_name = selected\_train["name"]**

**train\_time = selected\_train["time"]**

**print(" Thank you for booking your train from IRCTC.\nTicket booked successfully!")**

**else:**

**print("Invalid train number.")**

**elif choice\_number == "2":**

**print("\n:::::Your Ticket::::::")**

**print(f"Name: {name}")**

**print(f"Age: {age}")**

**print(f"Gender: {gender}")**

**print(f"Train: {train\_name}")**

**print(f"From: {from\_station} → To: {to\_station}")**

**print(f"Train Time: {train\_time}")**

**print(f"Train Date: {arrival\_date}")**

**print(f"Seat No: {seat\_no}")**

**print(f"PNR: {pnr}")**

**print(f"Berth: {berth\_type}")**

**print(f"Class: {coach\_type}")**

**print(f"Booking Date:{today}")**

**elif choice\_number == "3":**

**print("Goodbye! Have a nice journey.")**

**break**