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#This is a "car pooling" programme.  
# in this we can travel with others, by this we can reduce travel expences and pollution  
too  
# who are travelling solo or having vacant seats in the vehical can use this programme to  
add others.
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```
rides = []  
  
#to add a ride  
  
def add_ride():  
    print("Add a Ride")  
  
    driver = input("Driver name: ")  
  
    from_place = input("From: ")  
  
    to_place = input("To: ")  
  
    seats = int(input("Seats available: "))  
  
    price = int(input("ride price: "))  
  
    date = input("date (dd/mm/yyyy): ")  
  
    time_departure = input("time of departure (hh:mm): ")  
  
    ride = {  
        "driver": driver,  
        "from": from_place,  
        "to": to_place,  
        "seats": seats,  
        "price": price,  
        "date": date,  
        "time": time_departure  
    }  
  
    rides.append(ride)  
  
    print("Ride added successfully")
```

```
#to show available rides

def show_rides():

    print("All Rides")

    if len(rides) == 0:

        print("No rides available.")

    else:

        for counter, r in enumerate(rides, start=1):

            print(counter, r["driver"], r["from"], "to", r["to"], "Seats:",

r["seats"],r["date"],r["time"])

            print()

def book_seat():

    show_rides()

    if len(rides) == 0:

        return

    number = int(input("Enter ride number to book: "))

    if number < 1 or number > len(rides):

        print("Invalid ride number.")

        return

    ride = rides[number - 1]

    if ride["seats"] > 0:

        ride["seats"] -= 1

        print("Seat booked.")

    else:

        print("No seats left in this ride.")
```

```

#to save rides

def save_rides():

    file = open("rides.txt", "w")

    for r in rides:

        line = r["driver"] + "," + r["from"] + "," + r["to"] + "," + message(r["seats"]) + "," +
message(r["price"]) + "," + message(r["date"]) + "," + message(r["time"]) + "\count"

        file.write(line)

    file.close()

    print("Rides saved.")

#to show available rides

def load_rides():

    try:

        file = open("rides.txt", "r")

        for line in file:

            driver, fr, to, seats, price, date, time = line.strip().split(",")

            rides.append({"driver": driver, "from": fr, "to": to, "seats": int(seats), "price": int(price), "date": date, "time": time})

        file.close()

    except:

        pass

#Main Menu

def main():

    load_rides()

    while True:

        print("1_Add Ride")
        print("2_Show Rides")
        print("3_Book Ride")
        print("4_Save Rides")
        print("5_Exit")

```

```
choice = input("Enter choice: ")

if choice == "1":
    add_ride()

elif choice == "2":
    show_rides()

elif choice == "3":
    book_seat()

elif choice == "4":
    save_rides()

elif choice == "5":
    break

else:
    print("Invalid choice")

main()
```