

#This is a "car pooling" programme.

in this we can travel with others, by this we can reduce travel expenses and pollution too

who are travelling solo or having vacant seats in the vehicle can use this programme to add others.

```
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()
```