Coding Marathon Problem Statement 2

Create a class **TouristVehicle** with the following attributes

- *_number* which indicates the registered alphanumeric number of the vehicle.
- *_seat_count* which is an integer indicating the seating capacity of the TouristVehicle.
- *_per_hour_booking_charge* which indicates the amount to book the TouristVehicle for an hour and is a float value.
- *_permit_type* is either LEASE or OWNED.
- *_rating* which should be either ONE, TWO, THREE , FOUR or FIVE

Enable/Disable special member functions as per your requirements.

Create the following functionalities in functionalities.cpp file (with a suitable header file)

- A function to create 5 **TouristVehicle** instances and store them in a primitive array.
- A function to delete the instances stored in the array.
- A function to find and return pointers to all instances of **TouristVehicle** in an array that satisfy both the following conditions
  - *_rating* is either THREE, FOUR or FIVE.
  - *_per_hour_booking_charge* is at least 300.
  - *_permit_type* is LEASE.
- A function to find and return the maximum *_seat_count* value for all TouristVehicle instances in the container that are of type CAB.
- A function to find the **TouristVehicle** instance for which *_per_hour_booking_charge* is minimum and return its pointer.

Demonstrate all functionalities by creating a suitable Main.cpp file with client code