

Lab 14

Object Oriented Programming



Task

Write a c++ program for car parking system, the main purpose of the car parking system is to automatically manage the car parking and making it more convenient. The system shall be able to do the following operations

- The system shall store information about the car to be parked i.e., registration number, arrival time and specific slot in car parking.
- The system shall be able to remove the car from the parking.
- The system shall be able to update only the slot number of the car in parking.
- The system shall be able to print total number of parked cars.
- The system shall be able to remove all the parked cars in a single click.
- The system shall be able to search a specific car in parking by entering the registration number.

Moreover, you are supposed to write a menu driven program and marks will be deducted if the menu is not fully constructed. Your program should use 'vectors' unlike arrays.

Note:

Your program must utilize the practices of structures, classes, setters, getters and vectors. The time for the above problem is 1 hour and 30 minutes.