

**Interview Programming Question:**

Design and write an Object Oriented C++ program for a parking lot. The parking lot should indicate to the user if the lot is full or empty. The parking lot should be able to handle regular, handicapped, electric and compact cars.

The parking lot should be broken into logical classes and functions. We are not looking for a “C Style” C++ solution but use of OO techniques of C++.

Your program should compile and run with some test vectors that we can re-run your program against. Please send back screen captures of your test results with the software so we can validate our results re-running against yours. You are also welcome to include in your results anything else you used throughout your process.

We would expect results to the question in 48 hours and you are welcome to use the internet. The solution is commonly discussed online so it will be obvious if you copy or derive your answer from forums etc.

We are not looking for a correct answer in how the parking lot works or is designed but are interested in your programming style, thought process and use of C++ OOD techniques.

Please return your results in 48 hours from receiving this.