**Function** Get Cars by capacity: Car List

**Description**: Get car list from stocks(CarRental Object) by entering the capacity.

**Inputs**: the capacity that customers wants.

**Outputs**: cars\_by\_capacity — the car array which has capacity same as to input capacity.

**Destination**: Main control loop.

**Action**: cars\_by\_capacity is empty if stock is empty or if there is no cars with capacity same to query capacity. If query(input) capacity is less than 0 , then raise the ValueError Exception.

If receive the input capacity, iterate the member variable **cars** one by one and filter the cars based on capacity.

**Precondition**: capacity >= 0, self.cars != None and self.cars should be array of Cars

**Postcondition**: return the Car list which have the capacity same to input capacity

Side effects None.

Sprint 1:

Write a class Car and write a CarRental class that stores the information about all the cars.

Write accessor and mutator functions for all classes (where required).

Write a empty function get\_cars\_by\_capacity.

Create test case for get\_cars\_by\_capacity function

Sprint 2:

Complete get\_cars\_by\_capacity function

Write the driver to test class and get\_cars\_by\_capacity function

Run test case and fix error if exists