A Battery class that Contains a charge as well as can discharge or charge at the discretion of the user.

Instance Variables:

Double \_capacity – Max Charge contained

Double \_charge – Current Charge Contained

Constructors:

Public Battery(){

//Sets the Capacity to the normal charge given by the book using a Constant

//The Battery has Full Charge

}

Public Battery(double Capacity){

//Given the Capacity, will construct a battery with that capacity

// with full charge

}

Methods:

Public void drain(double amount){

//Drains the Battery by the amount specified

}

Public void charge(){

//Recharges the battery to the original capacity

}

Public double getRemainingCharge(){

//returns the remaining charge

}