// (1/5)Customer Class

// Nick Pinero

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// Creates a customer that has

// an arrival time, service time,

// and records their name. Then gets

// certain values and can set certain

// values for each variable depending

// parameter that is put into the program.

// Finally, it can display the customer and

// each of its variables.

//class name

public class Customer{

//instance Variables

//holds what time they arrived

private int arrivalTime;

//holds what time/how long

//it took for them to recieve

//service

private int serviceTime;

//holds the name of the customer

private String customerName;

//hold the information for the

//next customer

private Customer nextCustomer;

//Methods

//Constructors

//initializes the arrival and service time

//as well as the customers name

public Customer(int at, int st, String cn) {

arrivalTime = at;

serviceTime = st;

customerName = cn;

//sets next customer to null

//(may not be needed)

nextCustomer = null;

}

//initializes the arrival and service time

//as well as the customers name and the next

//customer

public Customer(int at, int st, String cn, Customer nc) {

arrivalTime = at;

serviceTime = st;

customerName = cn;

nextCustomer = nc;

}

//initializes the arrival and service time

//as well as the customers name and the next

//customer to null

public Customer() {

arrivalTime = 0;

serviceTime = 0;

customerName = "Name";

nextCustomer = null;

}

//Other Methods

//gets an returns the arrival

//time of the customer

public int getArrival(){

return arrivalTime;

}

//gets an returns the service

//time of the customer

public int getService(){

return serviceTime;

}

//gets an returns the

//name of the customer

public String getCustomerName(){

return customerName;

}

//gets an returns the next

//customer

public Customer getNextCustomer(){

return nextCustomer;

}

//sets the arriaval time

public void setArrival(int a){

arrivalTime = a;

}

//sets the service time

public void setService(int s){

serviceTime = s;

}

//sets the customer's name

public void setCustomerName(String cn){

customerName = cn;

}

//sets the next customer

public void setNextCustomer(Customer nc){

nextCustomer = nc;

}

//displays all of the elements

//of the customer.

public void display(){

//prints out the customer's name,

//their arrival time, and how long

//it will take for the service

//to be completed

System.out.println("\t"+customerName+": arrival = " +

arrivalTime +": service = "+ serviceTime);

//prints out the customer's name

/\*System.out.println("Customer Name " + customerName);

//prints out the arrival and service

//time of the customer

System.out.println("Arrival Time " + arrivalTime);

System.out.println("Service Time " + serviceTime);

//if the next customer isn't null

//then print out the name of the

//next customer

if(nextCustomer != null){

//prints out the name of the next customer

System.out.println("Next Customer is " +

nextCustomer.getCustomerName());

//otherwise, print out there is

//no next customer.

} else {

System.out.println("There is no Next Customer");

}\*/

System.out.println(" ");

}

}