package Instance;  
  
import java.util.Objects;  
  
public class NewNode {  
 private int id;  
 private Trip trip;  
 private Depot depot;  
 private String nodeType;  
  
 public NewNode(Trip trip) {  
 this.trip = trip;  
 this.id = trip.getIdOfTrip();  
 this.nodeType = "trip";  
 }  
  
 public NewNode(Depot depot) {  
 this.depot = depot;  
 this.id = depot.getIdOfDepot();  
 this.nodeType = "depot";  
 }  
  
 public int getId() {  
 return id;  
 }  
  
 public String getNodeType() {  
 return nodeType;  
 }  
  
 public Trip getTrip() {  
 if (nodeType == "trip") {  
 return trip;  
 } else {  
 throw new IllegalStateException("This node is not a Trip.");  
 }  
 }  
  
 public Depot getDepot() {  
 if (nodeType == "depot") {  
 return depot;  
 } else {  
 throw new IllegalStateException("This node is not a Depot.");  
 }  
 }  
  
  
  
 @Override  
 public String toString() {  
 if (nodeType == "trip") {  
 return "NewNode{trip=" + trip + '}';  
 } else {  
 return "NewNode{depot=" + depot + '}';  
 }  
 }  
  
 public static void main(String[] args) {  
 InstanceReader reader = new InstanceReader("inst\_nbCity05\_Size180\_Day1\_nbTrips020\_combPer0.0.txt");  
 Instance instance = reader.readFile();  
 System.out.println(instance);  
  
 NewNode newNode1 = new NewNode( instance.getDepot(0));  
 NewNode newNode2 = new NewNode(instance.getTrip(1));  
 System.out.println(newNode1);  
 System.out.println(newNode2);  
  
 }  
}