```
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ESOF Homework 1, Question 5
//Assuming + Public and - Private
public class Company
       public String name;
       public Address headquarters;
       public List <Truck> truck;
       public List<Car> car;
       public List<Motorbike> motorbike; //Aggregation
       public VehicleRentalService service;//composition
       public List<Employee> employee; //Aggregation
       public List<Customer> customer; //Aggregation
}
public interface IRentable
       void rent();
}
public abstract class Vehicle implements IRentable
{
       public void rent()
}
public class Truck extends Vehicle //Inheritance
       public UnlimitedNatural weight;
       public UnlimitedNatural power;
       public String manufacturer;
       public String regNo;
}
public class Car extends Vehicle //Inheritance
       public CarKind kind;
       public UnlimitedNatural noSeats;
       public UnlimitedNatural power;
       public String manufacturer;
```

```
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       public String regNo
}
public class Motorbike extends Vehicle //Inheritance
       public MbKind kind;
       public UnlimitedNatural cylinderCap;
       public UnlimitedNatural power;
       public String manufacturer;
       public String regNo;
       public void rent()
}
public VehicleRentalService extends Service //Inheritance
       public Vehicle vehicle;
       public void offerCar()
       public void offerMotorbike()
       public void offerTruck()
}
public class Service
{
       public Customer customer;
}
public class Employee extends Person
{
}
public abstract class Person
       public String name;
       public String email;
       public String List<Address> //One address per person, but can be many persons
}
public class Customer extends Person
       public BankAccount bankaccount; //composition
```