**BD – lab4**

**a)**

Departamento(designacao,localizacao)

Empregado(nbi,nome,designacao)

Designacao: FK Departamento(designacao)

NOT NULL (designacao)

Tarefeito(nbi,quantia,descrição)

nbi: FK Empregado(nbi)

Efetivo(nbi,especialidade)

Nbi: FK Empregado(nbi)

Contrato(categoria,nbi,salario)

Nbi: FK Efetivo(nbi)

**b)**

Person(driver-id,address,name)

Car(license,model,year)

Owns(driver-id,license)

Driver-id:FK(person)

license:FK(car)

Accident(report-number,location,date)

Participated(driver-id,license,report-number,damage-amount)

Driver-id: FK (person)

License: FK(car)

Report-number: FK(Accident)

**c)**

Student(sid,name,program)

Course-Offerings(semester,year,courseno,time,room)

Courseno:FK(course)

Enrols(sid,semester,year, courseno,grade)

Sid:FK(student)

semester:FK(couse-offerings)

year:FK(course-offerings)

courseno:FK(course-offerings)

teaches(semester,year,iid)

semester:FK(couse-offerings)

year:FK(couse-offerings)

iid:FK(instructor)

Couse(courseno,title,syllabus,credits)

Instructor(iid,name,dept,title)

Requires(courseno1, courseno2)

courseno1:FK(course)

courseno2:FK(course)

**d)**

Employee(number,name)

Mechanic(number)

Number:FK(Employee)

Does(number1,number2,license)

Number1:FK(Mechanic)

Number2:FK(RepairJob)

License:FK(License)

RepairJob(number,license,description,cost)

License:FK(car)

Salesman(number)

Number:FK(Employee)

Buys(number,license,id,value,price,date)

Number:FK(Salesman)

license:FK(Car)

id:FK(Client)

Client(id,name,address,phone)

Sells(number,id,license,date,value,comission)

Number:FK(Salesman)

license:FK(Car)

id:FK(Client)