create table opreaandrei\_AngajatiSpital

(

numeangajat varchar2(10) constraint pk\_numeang primary key,

profesia varchar2(10),

varsta number(2),

salariu number(5),

dataangajare date

);

alter table opreaandrei\_AngajatiSpitalului modify(numeangajat varchar2(20));

alter table opreaandrei\_AngajatiSpitalului modify(profesia varchar2(20));

create table opreaandrei\_PacientiInternati

(

numepacient varchar2(10) constraint pk\_numepac primary key,

numeangajat varchar2(10),

constraint fk\_numeang foreign key(numeangajat) references opreaandrei\_AngajatiSpital(numeangajat),

diagnostic varchar2(20),

datainternare date,

dataexternare date

);

create table opreaandrei\_PacientiExternati(

numepacient varchar2(10),

numeangajat varchar2(10),

constraint fk\_numepac foreign key(numeangajat) references opreaandrei\_AngajatiSpitalului(numeangajat),

diagnostic varchar2(20),

datainternare date,

dataexternare date

);

create table opreaandrei\_Urgente(

numepacient varchar2(10),

constraint fk\_numepaci foreign key(numepacient) references opreaandrei\_PacientiInternati(numepacient),

numeangajat varchar2(10),

constraint fk\_numeanga foreign key(numeangajat)references opreaandrei\_AngajatiSpital(numeangajat),

diagnostic varchar2(20),

datainternare date

);

--1.Sa se redenumeasca tabela opreaandrei\_AngajatiSpital cu opreaandrei\_AngajatiSpitalului

alter table opreaandrei\_AngajatiSpital rename to opreaandrei\_AngajatiSpitalului;

--2.Sa se adauge coloana 'paramedic' in tabela Urgente

alter table opreaandrei\_Urgente add(paramedic varchar2(10));

--3.Sa se modifice tipul de date al coloanei paramedic

alter table opreaandrei\_Urgente modify(paramedic varchar2(20));

--4.Sa se stearga coloana paramedic

alter table opreaandrei\_Urgente drop column paramedic;

--5.Sa se adauge o restrictie pe coloana varsta din tabela AngajatiiSpitalului

alter table opreaandrei\_AngajatiSpitalului add constraint check\_varsta check(varsta >=18 and varsta < 55);

--6.Sa se adauge date in tabele

insert into opreaandrei\_AngajatiSpitalului(numeangajat,profesia,varsta,salariu,dataangajare) values('Dr.Oprea Andrei','Dermatolog',35,4500,to\_date('01.06.2006','dd.mm.yy'));

insert into opreaandrei\_AngajatiSpitalului(numeangajat,profesia,varsta,salariu,dataangajare) values('Dr.Popescu Ioan','Chirurg',40,5000,to\_date('02.07.2004','dd.mm.yy'));

insert into opreaandrei\_AngajatiSpitalului(numeangajat,profesia,varsta,salariu,dataangajare) values('Dr.Marin Bernovschi','Cardiolog',41,6000,to\_date('03.05.2002','dd.mm.yy'));

insert into opreaandrei\_AngajatiSpitalului(numeangajat,profesia,varsta,salariu,dataangajare) values('Dr.Lucian Petrucci','Medic de familie',42,4000,to\_date('01.05.2005','dd.mm.yy'));

insert into opreaandrei\_AngajatiSpitalului(numeangajat,profesia,varsta,salariu,dataangajare) values('Dr.Iancu Sebastian','Dentist',43,6500,to\_date('25.12.2004','dd.mm.yy'));

insert into opreaandrei\_AngajatiSpitalului(numeangajat,profesia,varsta,salariu,dataangajare) values('Dr.Ionachescu Iulian','Medic primar',50,7000,to\_date('07.08.1990','dd.mm.yy'));

insert into opreaandrei\_AngajatiSpitalului(numeangajat,profesia,varsta,salariu,dataangajare) values('Dr.Pavlov Moraru','Ginecolog',45,4600,to\_date('10.11.2011','dd.mm.yy'));

insert into opreaandrei\_AngajatiSpitalului(numeangajat,profesia,varsta,salariu,dataangajare) values('Ioana Florescu','Infirmier',30,2500,to\_date('22.11.2008','dd.mm.yy'));

insert into opreaandrei\_AngajatiSpitalului(numeangajat,profesia,varsta,salariu,dataangajare) values('Valentin Popescu','Brancardier',50,2800,to\_date('05.06.2000','dd.mm.yy'));

insert into opreaandrei\_AngajatiSpitalului(numeangajat,profesia,varsta,salariu,dataangajare) values('Cristian Tudor','Asistent',45,2900,to\_date('9.10.2010','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIEXTERNATI(numepacient,numeangajat,diagnostic,datainternare,DATAEXTERNARE)values('Ion Marian','Dr.Oprea Andrei','Infectie cutanata',to\_date('01.01.2005','dd.mm.yy'),to\_date('01.03.2005','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIEXTERNATI(numepacient,numeangajat,diagnostic,datainternare,DATAEXTERNARE)values('Nistor Andrei','Dr.Popescu Ioan','Tetanosul neonatorum',to\_date('02.03.2006','dd.mm.yy'),to\_date('05.03.2006','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIEXTERNATI(numepacient,numeangajat,diagnostic,datainternare,DATAEXTERNARE)values('Matei Alin','Dr.Marin Bernovschi','Poliomielita acuta',to\_date('10.04.2008','dd.mm.yy'),to\_date('15.04.2008','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIEXTERNATI(numepacient,numeangajat,diagnostic,datainternare,DATAEXTERNARE)values('Luca Petrescu','Dr.Lucian Petrucci','Infectia gonococica',to\_date('11.05.2007','dd.mm.yy'),to\_date('13.05.2007','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIEXTERNATI(numepacient,numeangajat,diagnostic,datainternare,DATAEXTERNARE)values('Serban Costin','Dr.Iancu Sebastian','Mononucleoza infectioasa',to\_date('20.11.2012','dd.mm.yy'),to\_date('23.11.2012','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIEXTERNATI(numepacient,numeangajat,diagnostic,datainternare,DATAEXTERNARE)values('Ioan Mihai','Dr.Ionachescu Iulian','Toxoplasmoza',to\_date('15.04.2010','dd.mm.yy'),to\_date('25.04.2010','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIEXTERNATI(numepacient,numeangajat,diagnostic,datainternare,DATAEXTERNARE)values('Marinica Serban','Dr.Pavlov Moraru','Echinococoza',to\_date('03.03.2009','dd.mm.yy'),to\_date('08.03.2009','dd.mm.yy'));

select \* from OPREAANDREI\_PACIENTIINTERNATI;

select \* from OPREAANDREI\_PACIENTIEXTERNATI;

select \* from opreaandrei\_AngajatiSpitalului;

insert into OPREAANDREI\_PACIENTIINTERNATI(numepacient,numeangajat,diagnostic,datainternare)values('Ionescu Andrei','Dr.Pavlov Moraru','Tumora maligna a buzei

',to\_date('25.04.2014','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIINTERNATI(numepacient,numeangajat,diagnostic,datainternare)values('Costachescu David','Dr.Ionachescu Iulian','Tumora maligna a limbii

',to\_date('26.06.2015','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIINTERNATI(numepacient,numeangajat,diagnostic,datainternare)values('Trifu Bogdan','Dr.Iancu Sebastian','Tumora maligna a gingiei

',to\_date('14.04.2013','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIINTERNATI(numepacient,numeangajat,diagnostic,datainternare)values('Bazilescu Iustin','Dr.Lucian Petrucci','Tumora maligna a colonului

',to\_date('19.08.2012','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIINTERNATI(numepacient,numeangajat,diagnostic,datainternare)values('Mitica Igorescu','Dr.Marin Bernovschi','Tumora maligna a amigdalei

',to\_date('27.09.2007','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIINTERNATI(numepacient,numeangajat,diagnostic,datainternare)values('Lazar Costin','Dr.Popescu Ioan','Tumora maligna a rectului

',to\_date('16.03.2016','dd.mm.yy'));

insert into OPREAANDREI\_PACIENTIINTERNATI(numepacient,numeangajat,diagnostic,datainternare)values('Andreescu Silaghy','Dr.Oprea Andrei','Tumora maligna a traheei

',to\_date('28.06.2011','dd.mm.yy'));

alter table opreaandrei\_urgente rename column diagnostic to anamneza;

--de aici sunt la urgente,dar tot sunt internati si vor intra in ambele tabele(urgente,internati)

select \* from OPREAANDREI\_URGENTE;

insert into OPREAANDREI\_URGENTE(numepacient,numeangajat,anamneza,datainternare)values('Popescu Andreea','Dr.Oprea Andrei','arsuri de gradul 3 in zona toracelui

',to\_date('24.06.2005','dd.mm.yy'));

insert into OPREAANDREI\_URGENTE(numepacient,numeangajat,anamneza,datainternare)values('Budescu Cristian','Dr.Popescu Ioan','umarul drept fisurat

',to\_date('25.07.2004','dd.mm.yy'));

insert into OPREAANDREI\_URGENTE(numepacient,numeangajat,anamneza,datainternare)values('Pavel Ioan','Dr.Marin Bernovschi','traumatism cranio-cerebral

',to\_date('26.08.2007','dd.mm.yy'));

insert into OPREAANDREI\_URGENTE(numepacient,numeangajat,anamneza,datainternare)values('Mihaela Pop','Dr.Lucian Petrucci','plaman drept perforat

',to\_date('27.09.2008','dd.mm.yy'));

insert into OPREAANDREI\_URGENTE(numepacient,numeangajat,anamneza,datainternare)values('Alexandru Ionescu','Dr.Iancu Sebastian','leziune majora a tibiei

',to\_date('29.10.2009','dd.mm.yy'));

insert into OPREAANDREI\_URGENTE(numepacient,numeangajat,anamneza,datainternare)values('Paul Lungu','Dr.Ionachescu Iulian','urechea dreapta rupta

',to\_date('30.11.2010','dd.mm.yy'));

insert into OPREAANDREI\_URGENTE(numepacient,numeangajat,anamneza,datainternare)values('Nenitescu Teodor','Dr.Pavlov Moraru','degetele mainii stangi strivite

',to\_date('31.12.2011','dd.mm.yy'));

select \* from OPREAANDREI\_ANGAJATISPITALULUI;

select \* from OPREAANDREI\_PACIENTIINTERNATI;

--7.Sa se creasca cu 300 salariul angajatilor din tabela angajatispital celor care au salariul sub 3000 de lei

update OPREAANDREI\_ANGAJATISPITALULUI set salariu=salariu+300 where salariu <3000;

--8.Sa se actualizeze salariul angajatilor al caror salariu este de 4000 de lei cu cel al caror salariu este de 4500 lei

update OPREAANDREI\_ANGAJATISPITALULUI set salariu=(select salariu from OPREAANDREI\_ANGAJATISPITALULUI where salariu=4500) where salariu = 4000;

--9.Sa se selecteze toti pacientii care au fost internati dupa 3 Februarie 2010

select \* from OPREAANDREI\_PACIENTIINTERNATI where datainternare > to\_date('03.02.2010','dd.mm.yyyy') order by datainternare;

--10.Sa se selecteze pacientii care sunt consultati de Dr.Pavlov Moraru

select \* from OPREAANDREI\_PACIENTIINTERNATI where NUMEANGAJAT='Dr.Pavlov Moraru';

--11.Sa se selecteze toti angajatii care au aceelasi salariu cu cel al angajatei Ioana Florescu

select \* from OPREAANDREI\_ANGAJATISPITALULUI where salariu=(select salariu from OPREAANDREI\_ANGAJATISPITALULUI where numeangajat='Ioana Florescu');

--12.Sa se afiseze internarile incheiate intre 2000 si 2005 (TO\_DATE)

select numepacient,datainternare from OPREAANDREI\_PACIENTIINTERNATI where datainternare between to\_date('01.01.2000','dd.mm.yyyy')and to\_date('31.12.2005','dd.mm.yyyy');

--13.Sa se selecteze externarile efectuate in anii 2005 si 2009

select numepacient,numeangajat,diagnostic,dataexternare from OPREAANDREI\_PACIENTIEXTERNATI where extract (year from dataexternare)in (2005,2009);

--14.Sa se afiseze perioada de timp corespunzatoare(in saptamani) intre data internarii si data curenta(Functia SYSDATE)

select datainternare,numepacient,(sysdate-datainternare) from opreaandrei\_pacientiinternati;

--15.Sa se selecteze data primei internari incheiate si data ultimei internari incheiate

select min(datainternare),max(datainternare) from OPREAANDREI\_PACIENTIINTERNATI;

--16.Sa se afiseze nr. de salarii distincte din tabela angajati

select count(distinct salariu) from OPREAANDREI\_ANGAJATISPITALULUI;

--17.Sa se calculeze veniturile anuale ale angajatilor(NVL)

select numeangajat,salariu\*12+salariu\*12\*NVL(tva,0) venit\_anual from opreaandrei\_angajatispitalului;

--18.Sa se selecteze angajatii care au salariu intre 2900 si 4900 fara cei care au salariul 3000 si 4000(MINUS)

select \* from OPREAANDREI\_ANGAJATISPITALULUI where salariu between 2900 and 4900 minus select \* from OPREAANDREI\_ANGAJATISPITALULUI where salariu in(3000,4000);

select \* from OPREAANDREI\_ANGAJATISPITALULUI;

select \* from OPREAANDREI\_PACIENTIINTERNATI;

--19.Sa se realizeze o tabela virtuala cu toti pacientii internati consultati de doctorul Popescu Ioan

create or replace view v\_pacienti\_Dr\_PavlovMoraru as select \* from OPREAANDREI\_PACIENTIINTERNATI where NUMEANGAJAT='Dr.Pavlov Moraru';

select \* from v\_pacienti\_Dr\_PavlovMoraru;

--20.Sa se creeze un index pe tabela angajatiispitalului pe coloana datainternare

create index idx\_datainternare on opreaandrei\_pacientiinternati(datainternare);

--21.Sa se stearga indexul creat anterior

--22.Sa se creeze un sinosim pentru tabela opreaandrei\_pacientiinternati

create synonym pi for opreaandrei\_pacientiinternati;

select \* from pi;

cele 4 screenshot-uri:



