Sistem de control al traficului aerian
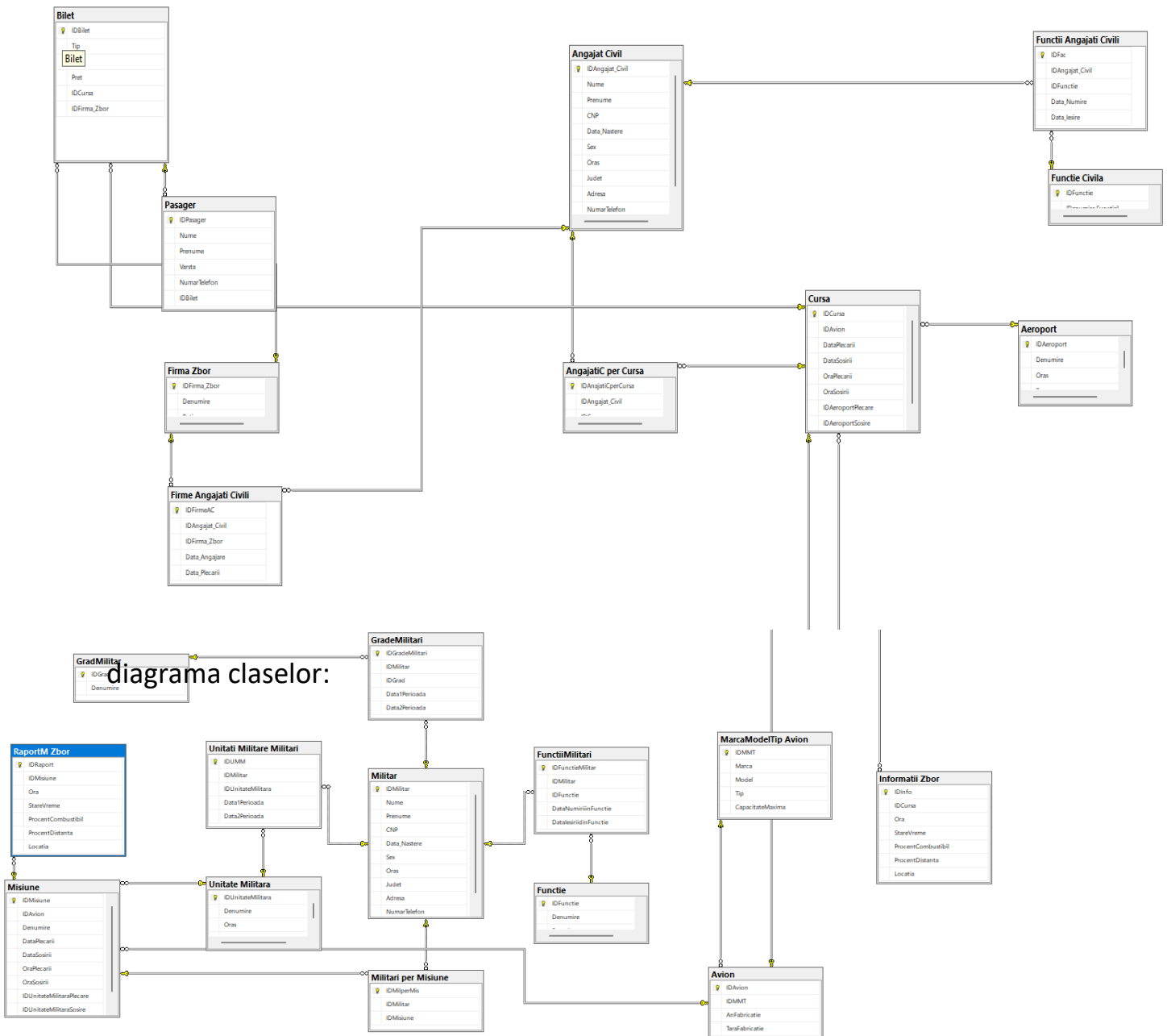
Proiect realizat de: Std. cap. DICU ANDREI-STEFAN

Grupa: C-112D

CUPRINS:

1.INTRODUCERE

Proiectul vizeaza gestionarea bazei de date al unui sistem de control al traficului aerian, , luand in considerare aspectele semnificative ce tin de desfasurarea completa a activitatii in cadrul unei astfel de intreprinderi.

Pentru a ne forma o idee de inceput asupra bazei de date, observam

diagrama claselor:

Bilet
- IDBilet
- Tip
  - Bilet
- Pret
- IDCursa
- IDFirma_Zbor

Angajat Civil
- IDAngajat_Civil
- Nume
- Prenume
- CNP
- Data_Nastere
- Sex
- Oras
- Judet
- Adresa
- NumarTelefon

Functii Angajati Civili
- IDFac
- IDAngajat_Civil
- IDFunctie
- Data_Numire
- Data_Iesire

Functie Civila
- IDFunctie
- Denumire Functiei

Pasager
- IDPasager
- Nume
- Prenume
- Varsta
- NumarTelefon
- IDBilet

Cursa
- IDCursa
- IDAvion
- DataPlecarii
- DataSosirii
- OraPlecarii
- OraSosirii
- IDAeroportPlecare
- IDAeroportSosire

Aeroport
- IDAeroport
- Denumire
- Oras

Firma Zbor
- IDFirma_Zbor
- Denumire

AngajatiC per Cursa
- IDAnajatiCperCursa
- IDAngajat_Civil

Firme Angajati Civili
- IDFirmeAC
- IDAngajat_Civil
- IDFirma_Zbor
- Data_Angajare
- Data_Plecarii

GradMilitar
- IDGrad
- Denumire

GradeMilitari
- IDGradeMilitari
- IDMilitar
- IDGrad
- Data1Perioada
- Data2Perioada

RaportM Zbor
- IDRaport
- IDMisiune
- Ora
- StareVreme
- ProcentCombustibil
- ProcentDistanta
- Locatia

Unitati Militare Militari
- IDUMM
- IDMilitar
- IDUnitateMilitara
- Data1Perioada
- Data2Perioada

Militar
- IDMilitar
- Nume
- Prenume
- CNP
- Data_Nastere
- Sex
- Oras
- Judet
- Adresa
- NumarTelefon

FunctiiMilitari
- IDFunctieMilitari
- IDMilitar
- IDFunctie
- DataNumiriiinFunctie
- DatalesiriidinFunctie

MarcaModelTip Avion
- IDMMT
- Marca
- Model
- Tip
- CapacitateMaxima

Informatii Zbor
- IDInfo
- IDCursa
- Ora
- StareVreme
- ProcentCombustibil
- ProcentDistanta
- Locatia

Misiune
- IDMisiune
- IDAvion
- Denumire
- DataPlecarii
- DataSosirii
- OraPlecarii
- OraSosirii
- IDUnitateMilitaraPlecare
- IDUnitateMilitaraSosire

Unitate Militara
- IDUnitateMilitara
- Denumire
- Oras

Functie
- IDFunctie
- Denumire

Militari per Misiune
- IDMilperMis
- IDMilitar
- IDMisiune

Avion
- IDAvion
- IDMMT
- AnFabricatie
- TaraFabricatie

Am separat structura principala a bazei de date in doua parti importante si bine diferentiate in viata cotidiana referitor la controlul aerian , Militar si Civil, astfel sistemul de gestiune recunoaste diferentele dintre cele doua si aduce informatii necesare in ambele cazuri pentru a putea observa inregistrarile cat mai in detaliu.

Informatiile consta in special in observarea zborurilor(Curse) , detalii despre tot personalul civil al firmelor aeriene ,despre militarii ce se deplaseaza in misiuni, cat si despre pasagerii din cadrul civil si avioanele in care se deplaseaza catre o anumita locatie.In plus am adaugat tabele care la anumite momente inregistreaza rapoarte si informatii de zbor legate despre vremea exterioara, conditii de zbor , locatia curenta , data si ora, combustibilul si procentul distantei realizate pana in momentul respectiv.

2.CREAREA BAZEI DE DATE

```sql
CREATE DATABASE SistemControlTraficAerian2
ON PRIMARY
(
        Name = Data_1,
        FileName ='C:\Users\andre\OneDrive\Desktop\BazedeDate\Proiect1.2\Data_1.mdf',
        size = 10MB, -- KB, Mb, GB, TB
        maxsize = unlimited,
        filegrowth = 1GB
),
(
        Name = Data_2,
        FileName ='C:\Users\andre\OneDrive\Desktop\BazedeDate\Proiect1.2\Data_2.ndf',
        size = 10MB, -- KB, Mb, GB, TB
        maxsize = unlimited,
        filegrowth = 1GB
),
(
        Name = Data_3,
        FileName = 'C:\Users\andre\OneDrive\Desktop\BazedeDate\Proiect1.2\Data_3.ndf',
        size = 10MB, -- KB, Mb, GB, TB
        maxsize = unlimited,
        filegrowth = 1GB
)
LOG ON
(
        Name = Log_1,
        FileName = 'C:\Users\andre\OneDrive\Desktop\BazedeDate\Proiect1.2\Log_1.ldf',
        size = 10MB, -- KB, Mb, GB, TB
        maxsize = unlimited,
        filegrowth = 1024MB
```

```sql
),
(
        Name = Log_2,
        FileName = 'C:\Users\andre\OneDrive\Desktop\BazedeDate\Proiect1.2\Log_2.ldf',
        size = 10MB, -- KB, Mb, GB, TB
        maxsize = unlimited,
        filegrowth = 1024MB
)
```

3.CREAREA TABELELOR

```sql
use [SistemControlTraficAerian2]

create table [Angajat Civil]
(
        IDAngajat_Civil int IDENTITY(1,1) primary key NOT NULL,
        Nume nvarchar(64) NOT NULL,
        Prenume nvarchar(64) NOT NULL,
        CNP nvarchar(64) NOT NULL,
        Data_Nastere date NOT NULL,
        Sex nvarchar(64) NOT NULL,
        Oras nvarchar(64) NOT NULL,
        Judet nvarchar(64) NOT NULL,
        Adresa nvarchar(64) NOT NULL,
        NumarTelefon nvarchar(64) NOT NULL
)

create table [Functie Civila]
(
        IDFunctie int IDENTITY(1,1) primary key NOT NULL,
        [Denumire Functie] nvarchar(64) NOT NULL
)

create table [Functii Angajati Civili]
(
        IDFac int IDENTITY(1,1) primary key NOT NULL,
        IDAngajat_Civil int foreign key references [Angajat Civil](IDAngajat_Civil),
        IDFunctie int foreign key references [Functie Civila](IDFunctie),
        Data_Numire date NOT NULL,
        Data_Iesire date
)

create table [Firma Zbor]
(
        IDFirma_Zbor int IDENTITY(1,1) primary key NOT NULL,
        Denumire nvarchar(64) not null,
        Rating nvarchar(64) not null
)

create table [Firme Angajati Civili]
(
        IDFirmeAC int IDENTITY(1,1) primary key NOT NULL,
        IDAngajat_Civil int foreign key references [Angajat Civil](IDAngajat_Civil),
        IDFirma_Zbor int foreign key references [Firma Zbor](IDFirma_Zbor),
        Data_Angajare date not null,
        Data_Plecarii date
```

```sql
)

create table Aeroport
(
        IDAeroport int IDENTITY(1,1) primary key NOT NULL,
        Denumire nvarchar(64) not null,
        Oras nvarchar(64) not null,
        Tara nvarchar(64) not null
)

create table [MarcaModelTip Avion]
(
        IDMMT int IDENTITY(1,1) primary key NOT NULL,
        Marca nvarchar(64) not null,
        Model nvarchar(64) not null,
        Tip nvarchar(64) not null,
        CapacitateMaxima int not null
)

create table Avion
(
        IDAvion int IDENTITY(1,1) primary key NOT NULL,
        IDMMT int foreign key references [MarcaModelTip Avion](IDMMT),
        AnFabricatie int not null,
        TaraFabricatie nvarchar(64) not null
)

create table Cursa
(
        IDCursa int IDENTITY(1,1) primary key NOT NULL,
        IDAvion int foreign key references Avion(IDAvion),
        DataPlecarii date not null,
        DataSosirii date not null,
        OraPlecarii nvarchar(64) not null,
        OraSosirii nvarchar(64) not null,
        IDAeroportPlecare int foreign key references Aeroport(IDAeroport),
        IDAeroportSosire int foreign key references Aeroport(IDAeroport)
)

create table Bilet
(
        IDBilet int IDENTITY(1,1) primary key NOT NULL,
        Tip nvarchar(64) not null,
        Clasa nvarchar(64) not null,
        Pret int not null,
        IDCursa int foreign key references Cursa(IDCursa),
        IDFirma_Zbor int foreign key references [Firma Zbor](IDFirma_Zbor)
)

create table Pasager
(
        IDPasager int IDENTITY(1,1) primary key NOT NULL,
        Nume nvarchar(64) not null,
        Prenume nvarchar(64) not null,
        Varsta int not null,
        NumarTelefon nvarchar(64) not null,
        IDBilet int foreign key references Bilet(IDBilet)
)
```

```sql
create table [AngajatiC per Cursa]
(
        IDAnajatiCperCursa int IDENTITY(1,1) primary key NOT NULL,
        IDAngajat_Civil int foreign key references [Angajat Civil](IDAngajat_Civil),
        IDCursa int foreign key references Cursa(IDCursa)
)

create table [Informatii Zbor]
(
        IDInfo int IDENTITY(1,1) primary key NOT NULL,
        IDCursa int foreign key references Cursa(IDCursa),
        Ora nvarchar(64) not null,
        StareVreme nvarchar(64) not null,
        ProcentCombustibil int not null,
        ProcentDistanta int not null,
        Locatia nvarchar(64) not null
)

create table Militar
(
        IDMilitar int IDENTITY(1,1) primary key NOT NULL,
        Nume nvarchar(64) not null,
        Prenume nvarchar(64) not null,
        CNP nvarchar(64) not null,
        Data_Nastere date not null,
        Sex nvarchar(64) not null,
        Oras nvarchar(64) not null,
        Judet nvarchar(64) not null,
        Adresa nvarchar(64) not null,
        NumarTelefon nvarchar(64) not null
)

create table GradMilitar
(
        IDGrad int IDENTITY(1,1) primary key NOT NULL,
        Denumire nvarchar(64) not null
)

create table GradeMilitari
(
        IDGradeMilitari int IDENTITY(1,1) primary key NOT NULL,
        IDMilitar int foreign key references Militar(IDMilitar),
        IDGrad int foreign key references GradMilitar(IDGrad),
        Data1Perioada date not null,
        Data2Perioada date
)

create table Functie
(
        IDFunctie int IDENTITY(1,1) primary key not null,
        Denumire nvarchar(64) not null,
)

create table FunctiiMilitari
(
        IDFunctieMilitar int IDENTITY(1,1) primary key not null,
        IDMilitar int foreign key references Militar(IDMilitar),
```

```sql
        IDFunctie int foreign key references Functie(IDFunctie),
        DataNumiriiinFunctie date not null,
        DataIesiriidinFunctie date
)

create table [Unitate Militara]
(
        IDUnitateMilitara int IDENTITY(1,1) primary key not null,
        Denumire nvarchar(64) not null,
        Oras nvarchar(64) not null,
        Tara nvarchar(64) not null
)

create table [Unitati Militare Militari]
(
        IDUMM int IDENTITY(1,1) primary key not null,
        IDMilitar int foreign key references Militar(IDMilitar),
        IDUnitateMilitara int foreign key references [Unitate
Militara](IDUnitateMilitara),
        Data1Perioada date not null,
        Data2Perioada date
)

create table Misiune
(
        IDMisiune int IDENTITY(1,1) primary key not null,
        IDAvion int foreign key references Avion(IDAvion),
        Denumire nvarchar(64) not null,
        DataPlecarii date not null,
        DataSosirii date not null,
        OraPlecarii nvarchar(64) not null,
        OraSosirii nvarchar(64) not null,
        IDUnitateMilitaraPlecare int foreign key references [Unitate
Militara](IDUnitateMilitara),
        IDUnitateMilitaraSosire int foreign key references [Unitate
Militara](IDUnitateMilitara)
)

create table [Militari per Misiune]
(
        IDMilperMis int IDENTITY(1,1) primary key not null,
        IDMilitar int foreign key references Militar(IDMilitar),
        IDMisiune int foreign key references Misiune(IDMisiune)
)

create table [RaportM Zbor]
(
        IDRaport int IDENTITY(1,1) primary key not null,
        IDMisiune int foreign key references Misiune(IDMisiune),
        Ora nvarchar(64) not null,
        StareVreme nvarchar(64) not null,
        ProcentCombustibil int not null,
        ProcentDistanta int not null,
        Locatia nvarchar(64) not null
)
```

4.POPULAREA TABELELOR

```sql
use [SistemControlTraficAerian2]

insert into [Angajat Civil](Nume, Prenume, CNP, Data_Nastere, Sex, Oras,
Judet, Adresa, NumarTelefon)
values
(
        'Laufer','Andreea','6030726055143','2003-07-
26','feminin','Slatioara','Olt','Str.Manastirii,nr.66',40774383514
),
(
        'Tudorache','Andreea','2931015173920','1993-10-
15','feminin','Tecuci','Galati','Str.Tecui,nr.24',40774383392
),
(
        'Pop','Teodora','2950809079724','1995-08-
09','feminin','Slatina','Olt','Str.Banului,nr.77',40774383972
),
(
        'Popescu','Sorina','2920204213809','1992-02-
04','feminin','Slobozia','Ialomita','Str.Ploii,nr.1',40799383666
),
(
        'Lascu','Mihaela','2890713114680','1989-07-
13','feminin','Resita','Caras-Severin','Str.Primaverii,nr.3',40799383380
),
(
        'Dima','Denisa','6010306525961','2001-03-
06','feminin','Giurgiu','Giurgiu','Str.Soarelui,nr.1',40799383596
),
(
        'Miclaus','Simona','2880107118405','1988-01-
07','feminin','Resita','Caras-Severin','Str.Primaverii,nr.1',40799383840
),
(
        'Baltag','Octavian','1950612362469','1995-06-
12','masculin','Macin','Tulcea','Str.Rasarit,nr.17',40799333246
),
(
        'Stanescu','Constantin','1970705027441','1997-07-
05','masculin','Lipova','Arad','Str.Mineri,nr.1',40799033744
),
(
        'Voicu','Violeta','2990413353641','1999-04-
13','feminin','Buzias','Timis','Str.Tudor,nr.2',40799032364
),
```

```sql
(
        'Vascan','Teodor','1891203401820','1989-12-
03','masculin','Sect.1','Bucuresti','Str.Higa,nr.1',40799032182
),
(
        'Titihazan','Viorel','1880404284957','1988-04-
04','masculin','Craiova','Dolj','Str.Universitatii,nr.2',40799032495
),
(
        'Popescu','Constantin','1890320452314','1989-03-
20','masculin','Slatina','Olt','Str.Muncii,nr.1',40774032111
),
(
        'Pacurar','Claudia','2870825085505','1987-08-
25','feminin','Sacele','Brasov','Str.Livezii,nr.1',40774032550
),
(
        'Oltean','Ioan-Danut','1900421246541','1990-04-21','masculin','Baia
Mare','Maramures','Str.Toamnei,nr.4',40774032654
),
(
        'Marinescu','Andrei','1970215466251','1997-02-
15','masculin','Sect.6','Bucuresti','Str.General
Praporgescu,nr.2',40766032625
),
(
        'Golovanov','Carmen','2980612191677','1998-06-
12','feminin','Caracal','Olt','Str.Manastirii,nr.1',40766042167
),
(
        'Darie','Emanuel','1990801399297','1999-08-
01','masculin','Focsani','Vrancea','Str.Libertatii,nr.2',40766022929
),
(
        'Cernat','Mihai','1900208260300','1990-02-
08','masculin','Reghin','Mures','Str.Aiud,nr.33',40774022030
),
(
        'Bicu','Aida','6020430433856','2002-04-
30','feminin','Sect.3','Bucuresti','Str.Muncii,nr.1',40774092385
),
(
        'Ardeleanu','Mircea','1910911195016','1991-09-
11','masculin','Borsec','Harghita','Str.Primaverii,nr.14',40765092501
)

insert into [Functie Civila]([Denumire Functie])
values
(
        'Pilot'
),
(
        'Co-pilot'
```

```sql
    ),
    (
            'Mecanic aeronave'
    ),
    (
            'Stewardesa'
    ),
    (
            'Agent de pista'
    )

insert into [Functii Angajati
Civili](IDAngajat_Civil,IDFunctie,Data_Numire,Data_Iesire)
values
    (
            1,4,'2022-01-05',null
    ),
    (
            2,4,'2019-10-01',null
    ),
    (
            3,4,'2020-11-03',null
    ),
    (
            4,4,'2019-06-01',null
    ),
    (
            5,4,'2015-03-17',null
    ),
    (
            6,4,'2019-12-28',null
    ),
    (
            7,4,'2014-05-05',null
    ),
    (
            8,5,'2017-10-01',null
    ),
    (
            9,5,'2018-11-12',null
    ),
    (
            10,4,'2020-04-13',null
    ),
    (
            11,2,'2017-02-03','2019-05-07'
    ),
    (
            11,1,'2019-05-07',null
    ),
    (
            12,2,'2010-12-03','2014-10-07'
    ),
```

```
	(
		12,1,'2014-10-07',null
	),
	(
		13,3,'2011-11-27','2015-12-01'
	),
	(
		13,2,'2015-12-01','2018-10-07'
	),
	(
		13,1,'2018-10-07',null
	),
	(
		14,2,'2010-10-07',null
	),
	(
		15,3,'2018-05-07',null
	),
	(
		16,3,'2022-02-02',null
	),
	(
		17,4,'2020-05-14',null
	),
	(
		18,3,'2021-03-13',null
	),
	(
		19,2,'2020-03-13','2021-04-04'
	),
	(
		19,1,'2021-04-04',null
	),
	(
		20,4,'2022-01-02',null
	),
	(
		21,5,'2014-02-22',null
	)


insert into [Firma Zbor](Denumire,Rating)
values
(
	'Wizz Air', '4/5'
),
(
	'Blue Air', '3.8/5'
),
(
	'Tarom', '3.8/5'
),
(
```

```sql
        'Ryanair', '3.8/5'
),
(

        'Lufthansa', '4.1/5'
),
(

        'Emirates', '4.4/5'
),
(

        'Air Europa', '3.8/5'
),
(

        'Austrian', '3.9/5'
),
(

        'ITA Airways', '3.9/5'
)


insert into [Firme Angajati
Civili](IDAngajat_Civil,IDFirma_Zbor,Data_Angajare,Data_Plecarii)
values
(
        1,1,'2022-01-05',null
),
(
        2,2,'2019-10-01',null
),
(
        3,3,'2020-11-03',null
),
(
        4,4,'2019-06-01',null
),
(
        5,5,'2015-03-17','2016-03-17'
),
(
        5,6,'2016-03-17',null
),
(
        6,6,'2019-12-28',null
),
(
        7,7,'2014-05-05','2016-05-05'
),
(
        7,8,'2016-05-05',null
),
(
        8,8,'2017-10-01','2019-10-01'
),
(
```

```sql
        8,9,'2019-10-01',null
),
(
        9,6,'2018-11-12',null
),
(
        10,9,'2020-04-13',null
),
(
        11,1,'2017-02-03','2019-05-07'
),
(
        11,2,'2019-05-07',null
),
(
        12,2,'2010-12-03',null
),
(
        13,3,'2011-11-27',null
),
(
        14,4,'2010-10-07',null
),
(
        15,5,'2018-05-07',null
),
(
        16,6,'2022-02-02',null
),
(
        17,8,'2020-05-14',null
),
(
        18,9,'2021-03-13',null
),
(
        19,6,'2020-03-13',null
),
(
        20,7,'2022-01-02',null
),
(
        21,5,'2014-02-22',null
)

insert into Aeroport(Denumire,Oras,Tara)
values
(
        'Aeroportul internationa "Henri Coanda"','Bucuresti','Romania'
),
(
        'Aeroportul internationa "Avram Iancu"','Cluj-Napoca','Romania'
),
```

```sql
(
        'Aeroportul internationa Craiova','Craiova','Romania'
),
(
        'Aeroportul internationa "Traian Vuia"','Timisoara','Romania'
),
(
        'Aeroportul internationa Sibiu','Sibiu','Romania'
),
(
        'Aeroportul internationa Arad','Arad','Romania'
),
(
        'Aeroportul internationa "George Enescu"','Bacau','Romania'
),
(
        'Aeroportul internationa Heathrow','Londra','Regatul Unit'
),
(
        'Aeroportul internationa Frankfurt','Frankfurt am Main','Germania'
),
(
        'Aeroportul internationa "Charles de Gaulle"','Roissy-en-
France','Franta'
)


insert into [MarcaModelTip Avion]
values
(
        'Airbus','A220','civil',145
),
(
        'Airbus','A320','civil',195
),
(
        'Airbus','A330','civil',200
),
(
        'Airbus','A340','civil',380
),
(
        'Boeing','737NG','civil',400
),
(
        'Boeing','737MAX','civil',410
),
(
        'E-jet','E2','civil',150
),
(
        'Airbus','A400M','militar de transport',200
),
```

```sql
	(
		'Antonov','An-225','militar de transport',300
	),
	(
		'Antonov','An-124','militar de transport',88
	),
	(
		'Boeing','737NG','militar de transport',6
	),
	(
		'Lockheed','C-5 Galaxy','militar de transport',7
	),
	(
		'Lockheed','C-130 Hercules','militar de transport',6
	),
	(
		'F-22','Raptor','militar de vanatoare',1
	),
	(
		'F-35','Lighting II','militar de vanatoare',1
	),
	(
		'F-18','Hornet','militar de vanatoare',1
	),
	(
		'Eurofighter','Typhoon','militar de vanatoare',1
	),
	(
		'Suhoi','SU-35','militar de vanatoare',1
	)

insert into Avion(IDMMT,AnFabricatie,TaraFabricatie)
values
	(
		1,2013,'Canada'
	),
	(
		1,2014,'Canada'
	),
	(
		2,1988,'Franta'
	),
	(
		3,1992,'Franta'
	),
	(
		4,1993,'Franta'
	),
	(
		5,1997,'USA'
	),
	(
		6,2017,'Malaezia'
```

```
        ),
        (
                7,2016,'Brazilia'
        ),
        (
                8,2009,'Germania'
        ),
        (
                9,1988,'Ucraina'
        ),
        (
                10,1986,'Rusia'
        ),
        (
                11,1998,'USA'
        ),
        (
                12,1970,'USA'
        ),
        (
                13,1988,'USA'
        ),
        (
                14,2005,'USA'
        ),
        (
                15,2016,'USA'
        ),
        (
                16,1984,'USA'
        ),
        (
                17,2003,'Germania'
        ),
        (
                18,1988,'Rusia'
        )

insert into
Cursa(IDAvion,DataPlecarii,DataSosirii,OraPlecarii,OraSosirii,IDAeroportPleca
re,IDAeroportSosire)
values
(
        1,'2022-02-01','2022-02-01','15:00','21:00', 1,9
),
(
        2,'2022-03-22','2022-03-23','21:00','01:30', 2,10
),
(
        3,'2022-04-23','2022-04-24','23:00','05:00',3,8
),
(
        4,'2022-06-11','2022-06-11','03:00','09:00',4,9
```

```sql
),
(
        5,'2022-05-11','2022-05-11','14:00','15:00',5,1
),
(
        6,'2022-11-12','2022-11-12','05:00','07:30',6,1
),
(
        7,'2022-07-01','2022-07-01','5:45','8:00',7,1
)

insert into Bilet(Tip,Clasa,Pret,IDCursa,IDFirma_Zbor)
values
(
        'Dus','I',250,1,1
),
(
        'Dus-intors','II',100,2,2
),
(
        'Dus','I',300,3,3
),
(
        'Dus-intors','II',200,4,4
),
(
        'Dus','II',150,5,5
),
(
        'Dus-intors','II',150,6,6
),
(
        'Dus','I',370,7,7
),
(
        'Dus-intors','I',400,1,8
),
(
        'Dus-intors','II',120,2,9
),
(
        'Dus','II',110,3,1
),
(
        'Dus-intors','II',140,4,2
),
(
        'Dus','II',150,5,3
),
(
        'Dus','I',275,6,4
),
(
```

```sql
                'Dus','II',200,7,5
        ),
        (
                'Dus-intors','I',370,1,6
        )


insert Pasager(Nume, Prenume,Varsta, NumarTelefon,IDBilet)
values
        (
                'Dinca','Andrei ',25,'40774232385',1
        ),
        (
                'Florescu','Maria',40,'40772192385',2
        ),
        (
                'Marienscu','Cosmin',33,'40774093285',3
        ),
        (
                'Soare','Sorin',22,'40774092765',4
        ),
        (
                'Popescu','Alberto',20,'40774045385',5
        ),
        (
                'Ciusnel','Daria',45,'40774092655',6
        ),
        (
                'Dicu','Ruxandra',24,'40788092385',7
        ),
        (
                'Calinescu','Marina',44,'40789092385',8
        ),
        (
                'Zorlescu','George',55,'40774492385',9
        ),
        (
                'Dinica','Gheorghe',34,'40773492385',10
        ),
        (
                'Patriciu','Dan',19,'40774094385',11
        ),
        (
                'Secui','Mariana',21,'40774065385',12
        ),
        (
                'Bob','Marley',21,'4077556385',13
        ),
        (
                'Peru','Sandel',21,'40774076385',14
        ),
        (
                'Ionescu','Eugen',21,'40773465385',15
        )
```

```sql
insert [AngajatiC per Cursa](IDAngajat_Civil,IDCursa)
values
(
        1,1
),
(
        2,2
),
(
        3,3
),
(
        4,4
),
(
        5,5
),
(
        6,6
),
(
        7,7
),
(
        8,1
),
(
        9,2
),
(
        10,3
),
(
        11,4
),
(
        12,5
),
(
        13,6
),
(
        14,7
),
(
        15,1
),
(
        16,2
),
(
        17,3
```

```
    ),
    (
            18,4
    ),
    (
            19,5
    ),
    (
            20,6
    ),
    (
            21,7
    )

insert into [Informatii
Zbor](IDCursa,Ora,StareVreme,ProcentCombustibil,ProcentDistanta,Locatia)
values
(
            1,'17:00','noros',70,45,'Polonia'
),
(
            2,'1:00','buna',30,80,'Belgia'
),
(
            3,'00:00','noros',45,25,'Olanda'
),
(
            4,'6:00','buna',50,75,'Austria'
),
(
            5,'14:30','buna',34,50,'Romania(Arges)'
),
(
            6,'7:00','precipitatii reduse',30,60,'Romania(Valcea)'
),
(
            7,'6:00','noros',45,20,'Romania(Vrancea)'
),
(
            1,'19:00','buna',40,80,'Germania'
),
(
            2,'1:30','noros',20,95,'Franta'
),
(
            3,'4:45','precipitatii reduse',30,89,'Londra'
),
(
            4,'8:30','buna',30,90,'Germania'
),
(
            5,'15:00','buna',20,95,'Romania(Bucuresti)'
),
```

```sql
(
        6,'7:20','noros',10,90,'Romania(Bucuresti)'
),
(
        7,'7:50','buna',20,92,'Romania(Bucuresti)'
)

insert into [Militar](Nume,
Prenume,CNP,Data_Nastere,Sex,Oras,Judet,Adresa,NumarTelefon)
values
(
        'Florescu','Andrei','1940327439456','1994-03-27','masculin','Sector
3','Bucuresti','Str. Soarelui, nr.1',40746064503
),
(
        'Roman','Tudor','1910905133137','1991-09-
05','masculin','Medgidia','Constanta','Str. General, nr.89',40774383392
),
(
        'Siciu','Marian','1980416449064','1998-04-16','masculin','Sector
4','Bucuresti','Str. Emanuel, nr.1',40727371164
),
(
        'Florea','Sorin','1910811129414','1991-07-11','masculin','Cluj-
Napoca','Cluj','Str. Alverna, nr.2',40742266517
),
(
        'Soare','Radu','1870716100221','1987-06-
16','masculin','Buzau','Buzau','Str. Miron, nr.45',40744513618
),
(
        'Radulescu','Robert','1930921059695','1993-09-
21','masculin','Oradea','Bihor','Str. Rasarit, nr.22',40722737856
),
(
        'Neacsu','Alexandra','2890103076661','1989-01-
03','feminin','Stefanesti','Botosani','Str. Muncii, nr.2',40740507090
),
(
        'Tudorache','Sorina','2890417322431','1989-05-
17','feminin','Medias','Sibiu','Str. Aleru, nr.3',40724572055
),
(
        'Popescu','Roberto','1891016402888','1989-10-16','masculin','Sector
1','Bucuresti','Str. Radu, nr.3',40742110378
),
(
        'Dumitrascu','Andreea','6020110354354','2002-01-
10','feminin','Timisoara','Timis','Str. Flori, nr.1',40731199768
),
(
        'Mitran','Luca','1880920321221','1988-09-
20','masculin','Sibiu','Sibiu','Str. Jean, nr.2',40764175572
```

```sql
	),
	(
		'Raducu','Vlad','1920518144686','1992-05-18','masculin','Sfantu
Gheorghe','Covasna','Str. David, nr.4',40746148353
	),
	(
		'Demen','Erik','1970626412638','1997-06-26','masculin','Sector
1','Bucuresti','Str. Andrei, nr.45',40752343465
	),
	(
		'Ciusnel','Ciprian','5010428275311','2001-04-
28','masculin','Roman','Neamt','Str. Pil, nr.6',40722690293
	),
	(
		'Predescu','Valeriu','1990303264328','1999-03-
03','masculin','Reghin','Mures','Str. Eugen, nr.7',40744764183
	),
	(
		'Horea','Tudor','1980122336060','1998-01-
22','masculin','Falticeni','Suceava','Str. Jon, nr.44',40744764183
	)

insert into [GradMilitar](Denumire)
values
	(
		'Sublocotenent'
	),
	(
		'Locotenent'
	),
	(
		'Capitan'
	),
	(
		'Locotenent comandor'
	),
	(
		'Capitan comandor'
	),
	(
		'Comandor'
	),
	(
		'Sergent'
	),
	(
		'Sergent major'
	),
	(
		'Plutonier'
	),
	(
		'Plutonier major'
```

```sql
),
(
        'Plutonier adjutant'
),
(
        'Plutonier adjutant principal'
)

insert into [GradeMilitari](IDMilitar,IDGrad,Data1Perioada,Data2Perioada)
values
(
        1,2,'2022-01-05',null
),
(
        2,3,'2019-10-01',null
),
(
        3,1,'2020-11-03',null
),
(
        4,4,'2019-06-01',null
),
(
        5,5,'2016-03-17',null
),
(
        6,2,'2019-12-28',null
),
(
        7,10,'2016-05-05',null
),
(
        8,4,'2019-10-01',null
),
(
        9,4,'2019-11-01',null
),
(
        10,1,'2020-04-13',null
),
(
        11,11,'2019-05-07',null
),
(
        12,3,'2018-05-07',null
),
(
        13,10,'2020-05-14',null
),
(
        14,7,'2021-03-13',null
),
(
```

```sql
        15,1,'2022-02-02',null
),
(
        16,2,'2022-01-02',null
)

insert into [Functie](Denumire)
values
(
        'Pilot'
),
(
        'Copilot'
),
(
        'Inginer'
),
(
        'Infanterie'
)

insert into
[FunctiiMilitari](IDMilitar,IDFunctie,DataNumiriiinFunctie,DataIesiriidinFunc
tie)
values
(
        1,1,'2022-01-05',null
),
(
        2,2,'2019-10-01',null
),
(
        3,3,'2020-11-03',null
),
(
        4,4,'2019-06-01',null
),
(
        5,4,'2016-03-17',null
),
(
        6,4,'2019-12-28',null
),
(
        7,1,'2016-05-05',null
),
(
        8,1,'2019-10-01',null
),
(
        9,2,'2019-11-01',null
),
(
```

```sql
        10,2,'2020-04-13',null
),
(
        11,3,'2019-05-07',null
),
(
        12,4,'2018-05-07',null
),
(
        13,4,'2020-05-14',null
),
(
        14,4,'2021-03-13',null
),
(
        15,4,'2022-02-02',null
),
(
        16,4,'2022-01-02',null
)

insert into [Unitate Militara](Denumire,Oras,Tara)
values
(
        'Escadrila 142 Cercetare','','Romania'
),
(
        'Flotila 95 Aeriană','','Romania'
),
(
        'Flotila 71 Aeriană','','Romania'
),
(
        'Flotila 86 Aeriană','','Romania'
),
(
        'Flotila 90 Transport Aerian','','Romania'
),
(
        'Baza aeriană 105 Évreux-Fauville','Eure','Franta'
),
(
        'Baza aeriană 106 Bordeaux-Mérignac','Bordeaux','Franta'
),
(
        'Baza Aeriană Nörvenich','Nörvenich','Germania'
),
(
        'Tactical Air Force Wing 71 "Richthofen"','Wittmundhafen','Germania'
),
(
        'Tactical Air Force Wing 73 "Steinhoff"','Laage','Germania'
)
```

```sql
insert into [Unitati Militare
Militari](IDMilitar,IDUnitateMilitara,Data1Perioada,Data2Perioada)
values
(
        1,1,'2022-01-05',null
),
(
        2,2,'2019-10-01',null
),
(
        3,3,'2020-11-03',null
),
(
        4,4,'2019-06-01',null
),
(
        5,5,'2016-03-17',null
),
(
        6,1,'2019-12-28',null
),
(
        7,2,'2016-05-05',null
),
(
        8,3,'2019-10-01',null
),
(
        9,4,'2019-11-01',null
),
(
        10,5,'2020-04-13',null
),
(
        11,1,'2019-05-07',null
),
(
        12,2,'2018-05-07',null
),
(
        13,3,'2020-05-14',null
),
(
        14,4,'2021-03-13',null
),
(
        15,5,'2022-02-02',null
),
(
        16,1,'2022-01-02',null
)
```

```sql
insert into
[Misiune](IDAvion,Denumire,DataPlecarii,DataSosirii,OraPlecarii,OraSosirii,ID
UnitateMilitaraPlecare,IDUnitateMilitaraSosire)
values
(
        8,'Alpha','2022-02-01','2022-02-01','15:00','21:00',1,6
),
(
        9,'Betta','2022-03-22','2022-03-23','21:00','01:30',2,7
),
(
        10,'Tetta','2022-04-23','2022-04-24','23:00','05:00',3,8
),
(
        11,'Coanda','2022-06-11','2022-06-11','03:00','09:00',4,9
),
(
        12,'General','2022-05-11','2022-05-11','14:00','15:00',5,10
),
(
        13,'Tiger','2022-11-12','2022-11-12','05:00','07:30',1,7
),
(
        14,'Scorpion','2022-07-01','2022-07-01','5:45','8:00',2,8
),
(
        15,'Vanatori','2022-02-01','2022-02-01','15:00','21:00',3,9
),
(
        16,'Sigma','2022-03-22','2022-03-23','21:00','01:30',4,10
),
(
        17,'Radu','2022-04-23','2022-04-24','23:00','05:00',1,8
),
(
        18,'Delta','2022-06-11','2022-06-11','03:00','09:00',2,10
)

insert into [Militari per Misiune](IDMilitar,IDMisiune)
values
(
        1,1
),
(
        1,4
),
(
        1,7
),
(
        1,8
),
(
```

```
                2,1
),
(
                3,2
),
(
                4,3
),
(
                5,4
),
(
                6,5
),
(
                7,2
),
(
                7,5
),
(
                7,9
),
(
                7,10
),
(
                8,3
),
(
                8,6
),
(
                8,11
),
(
                9,1
),
(
                10,2
),
(
                11,3
),
(
                12,4
),
(
                13,5
),
(
                14,6
),
```

```sql
(
        15,7
),
(
        16,8
)


insert into [RaportM
Zbor](IDMisiune,Ora,StareVreme,ProcentCombustibil,ProcentDistanta,Locatia)
values
(
        1,'17:00','buna',80,20,'Ungaria'
),
(
        2,'00:00','precipitatii',70,10,'Ungaria'
),
(
        3,'00:00','buna',80,20,'Ucraina'
),
(
        4,'04:00','precipitatii',90,20,'Ucraina'
),
(
        5,'15:00','buna',90,10,'Ungaria'
),
(
        6,'06:00','precipitatii',78,20,'Croatia'
),
(
        7,'6:00','precipitatii',89,30,'Cehia'
),
(
        8,'16:00','noros',60,20,'Ungaria'
),
(
        9,'02:00','noros',60,10,'Ungaria'
),
(
        10,'00:00','noros',70,30,'Polonia'
),
(
        11,'04:00','buna',90,20,'Polonia'
)
```

5.CERINTE

```sql
use [SistemControlTraficAerian2]
--1.Afiseaza numele angajatilor civili care au functie de pilot precum si id-
ul zborului in care se afla
SELECT ac.IDAngajat_Civil ,ac.Nume+  ' ' + ac.Prenume as NumeAngajat ,
c.IDCursa
from [Angajat Civil] as ac inner join [Functii Angajati Civili] as fac
on fac.IDAngajat_Civil=ac.IDAngajat_Civil inner join [AngajatiC per Cursa] as
apc
on ac.IDAngajat_Civil=apc.IDAngajat_Civil inner join [Functie Civila] as fc
on fc.IDFunctie=fac.IDFunctie inner join Cursa as c
on c.IDCursa=apc.IDCursa
where fc.[Denumire Functie] like 'Pilot'
```

	IDAngajat_Civil	NumeAngajat	IDCursa
1	11	Vascan Teodor	4
2	12	Titihazan Viorel	5
3	13	Popescu Constantin	6
4	19	Cernat Mihai	5

```sql
--2.Sa se afiseze toti pasagerii care au cumparat un bilet pentru zborul cu
ID 2 precum si pretul si firma de zbor
SELECT p.Nume + ' ' + p.Prenume as NumePasager , b.Pret, fz.Denumire
from Pasager as p inner join Bilet as b
on p.IDBilet=b.IDBilet inner join Cursa as c
on b.IDCursa=c.IDCursa inner join [Firma Zbor] as fz
on fz.IDFirma_Zbor=b.IDFirma_Zbor
where c.IDCursa=2
```

	NumePasager	Pret	Denumire
1	Florescu Maria	100	Blue Air
2	Zorlescu George	120	ITA Airways

```sql
--3.Sa se afiseze toti militarii din misiunea Delta si id-ul avionului
SELECT m.Nume + ' ' + m.Prenume as NumeMilitar,  a.IDAvion
from Militar as m inner join [Militari per Misiune] as mpm
on m.IDMilitar=mpm.IDMilitar inner join Misiune as mi
on mi.IDMisiune=mpm.IDMisiune inner join Avion as a
on a.IDAvion=mi.IDAvion
where mi.Denumire like 'Delta'

--4.Sa se afiseze marca si modelul avionului folosit in misiunea 'Alpha' si
unitatea militara de unde a avut loc plecarea
SELECT mmt.Marca, mmt.Model, um.Denumire
from Misiune as m inner join Avion as a
on m.IDAvion=a.IDAvion inner join [MarcaModelTip Avion] as mmt
```

```sql
on mmt.IDMMT=a.IDMMT inner join [Unitate Militara] as um
on um.IDUnitateMilitara=m.IDUnitateMilitaraPlecare
where m.Denumire like 'Alpha'
```

	Marca	Model	Denumire
1	E-jet	E2	Escadrila 142 Cercetare

```sql
--5.Afisati numarul de misiuni , grupate dupa anul in care au fost
inregistrate
SELECT year(m.DataPlecarii) as AnMisiune, count(*) as NumarMisiuni
from Misiune as m
group by year(m.DataPlecarii)
```

	AnMisiune	NumarMisiuni
1	2022	11

```sql
--6.Afisati numarul de pasageri din fiecare cursa , impreuna cu id avionului
SELECT c.IDCursa, a.IDAvion, count(*) as NumarPasageri
from Pasager as p inner join Bilet as b
on p.IDBilet=b.IDBilet inner join Cursa as c
on c.IDCursa=b.IDCursa inner join Avion as a
on a.IDAvion=c.IDAvion
group by c.IDCursa , a.IDAvion
```

	IDCursa	IDAvion	NumarPasageri
1	1	1	3
2	2	2	2
3	3	3	2
4	4	4	2
5	5	5	2
6	6	6	2
7	7	7	2

```sql
--7.Sa se afiseze toate zborurile civile din anul 2022
SELECT min(c.IDCursa) as IdCURSA, year(c.DataPlecarii) as Anul, COUNT(*) as
NrZboruri
from Cursa as c
group by year(c.DataPlecarii)
having year(c.DataPlecarii)=2022
```

	IdCURSA	Anul	NrZboruri
1	1	2022	7

```sql
--8.Sa se afiseze nr de angajati care sunt incadrati pe functia de Mecanic
Aeronave
SELECT fac.IDFunctie, COUNT(*) as NrAngajatiFunctie
```

```
FROM [Functii Angajati Civili] as fac inner join [Functie Civila] as f
on fac.IDFunctie=f.IDFunctie
Group by fac.IDFunctie, f.[Denumire Functie]
having f.[Denumire Functie]='Mecanic Aeronave'
```

	IDFunctie	NrAngajatiFunctie
1	3	4

--9.Afisati numarul de avioane din categoria militar de vanatoare
```
SELECT count(*)
from Avion as a inner join [MarcaModelTip Avion] as mmt
on a.IDMMT = mmt.IDMMT
where mmt.Tip='militar de vanatoare'
group by a.IDAvion
```

	(No column name)
1	1
2	1
3	1
4	1
5	1

--10.Afisati id ul curselor grupate pe categoriile avionelor
```
SELECT DISTINCT mmt.Tip, c.IDCursa
from Cursa as c inner join Avion as a
on c.IDAvion=a.IDAvion inner join [MarcaModelTip Avion] as mmt
on a.IDMMT=mmt.IDMMT
group by mmt.Tip, c.IDCursa
```

	Tip	IDCursa
1	civil	1
2	civil	2
3	civil	3
4	civil	4
5	civil	5
6	civil	6
7	civil	7

--11.Afisati pasageri grupati in functie de tipul biletului pe care il au
```
SELECT b.Tip, p.Nume
FROM Pasager as p inner join Bilet as b
on p.IDBilet=b.IDBilet
Group by b.Tip, p.Nume
```

	Tip	Nume
1	Dus	Bob
2	Dus	Dicu
3	Dus	Dinca
4	Dus	Dinica
5	Dus	Marienscu
6	Dus	Peru
7	Dus	Popescu
8	Dus	Secui
9	Dus-intors	Calinescu
10	Dus-intors	Ciusnel
11	Dus-intors	Florescu
12	Dus-intors	Ionescu
13	Dus-intors	Patriciu
14	Dus-intors	Soare
15	Dus-intors	Zorlescu

```sql
--12.Selectati in ordine descrescatoare id - ul avionului dupa capacitatea
unui avion
SELECT a.IDAvion, mmt.CapacitateMaxima
from Avion as a inner join [MarcaModelTip Avion] as mmt
on a.IDMMT=mmt.IDMMT
group by a.IDAvion , mmt.CapacitateMaxima
order by mmt.CapacitateMaxima DESC
```

--13.Afisati tarile cu un singur aeroport la care se realizeaza o cursa
```sql
SELECT a.Denumire, a.Tara
from Aeroport as a inner join Cursa as c
on a.IDAeroport=c.IDAeroportPlecare
group by a.Denumire, a.Tara
having count(*)=1
```


--14.Afisati avioanele cu mai putin de 50 de pasageri dintr o cursa
```sql
SELECT a.IDAvion
from Avion as a inner join Cursa as c
on a.IDAvion=c.IDAvion inner join Bilet as b
on b.IDCursa=c.IDCursa inner join Pasager as p
on p.IDBilet=b.IDBilet
```

```sql
group by a.IDAvion
having COUNT(p.IDPasager)<=50
```

	IDAvion
1	1
2	2
3	3
4	4
5	5
6	6
7	7

```sql
--15.Sa se afiseze cel mai mare si mai mic al unui bilet
SELECT min(Bilet.Pret) as 'Pretul cel mai mic' , max(Bilet.Pret) as 'Pretul
cel mai mare'
from Bilet
```

	Pretul cel mai mic	Pretul cel mai mare
1	100	400

```sql
--16.Afisati pretul mediu al unui bilet la clasa 1
SELECT AVG(Bilet.Pret) as 'Pret mediu'
from Bilet
where Bilet.Tip like 'I'

--17.Afisati media de varsta din cursa din aeroportul 'Henri Coanda'
with PasageriHC as
(
        SELECT p.Varsta
        from Pasager as p inner join Bilet as b
        on p.IDBilet=b.IDBilet inner join Cursa as c
        on b.IDCursa=c.IDCursa inner join Avion as a
        on a.IDAvion=c.IDAvion inner join Aeroport as aer
        on aer.IDAeroport=c.IDAeroportSosire
        where c.IDAeroportPlecare like 'Aeroportul international "Henri
Coanda"'
)
SELECT AVG(Varsta) as 'Media de varsta'
from PasageriHC

--18.Afisati cate curse a avut firma Wizz Air in anul 2022
with CurseWizz as
(
        SELECT c.IDCursa
        from Bilet as b inner join Cursa as c
        on b.IDCursa=c.IDCursa inner join [Firma Zbor] as fz
        on b.IDFirma_Zbor=fz.IDFirma_Zbor
```
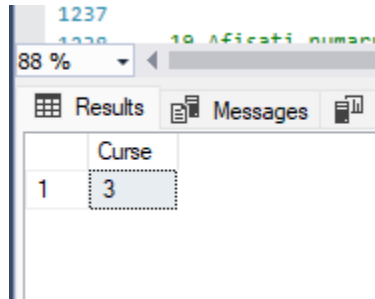
```sql
        where fz.Denumire like 'Wizz Air'
)

SELECT Count(*) as 'Curse'
from CurseWizz
```


--19.Afisati numarul de rapoarte in care vremea este ploioasa si procentul distantei se afla intre 10 si 90
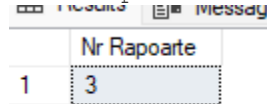```sql
with Rap as
(
        SELECT [RaportM Zbor].IDRaport
        from [RaportM Zbor]
        where [RaportM Zbor].StareVreme like 'noros' and [RaportM Zbor].ProcentCombustibil >=10 and [RaportM Zbor].ProcentCombustibil <=90
)

SELECT Count(*) as 'Nr Rapoarte'
from Rap
```



--20.Afisati nr misiunilor in care procentul combustibilului este 10 la suta cand procentul distantei este maxim
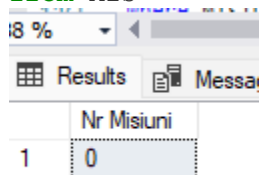```sql
with Mis as
(
        SELECT Misiune.Denumire
        from [RaportM Zbor] inner join Misiune
        on [RaportM Zbor].IDMisiune=Misiune.IDMisiune
        where [RaportM Zbor].ProcentCombustibil = 30 and [RaportM Zbor].ProcentDistanta = 100
)
SELECT Count(*) as 'Nr Misiuni'
from Mis
```

```sql
--21.Afisati numele si prenumele militarilor din misiunea "Betta"
SELECT Militar.Nume , Militar.Prenume
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
where Misiune.Denumire like 'Betta'
```


	Nume	Prenume
1	Siciu	Marian
2	Dumitrascu	Andreea

```sql
--22.Afisati functiile militarilor si numele acestora din unitatea militara
'Escadrila 142 Cercetare'
SELECT Militar.Nume , Functie.Denumire
from Militar
inner join [Unitati Militare Militari] on [Unitati Militare
Militari].IDMilitar=Militar.IDMilitar
inner join [Unitate Militara] on [Unitate
Militara].IDUnitateMilitara=[Unitati Militare Militari].IDUnitateMilitara
inner join [FunctiiMilitari] on [FunctiiMilitari].IDMilitar=Militar.IDMilitar
inner join [Functie] on [Functie].IDFunctie=[FunctiiMilitari].IDFunctie
where [Unitate Militara].Denumire like 'Escadrila 142 Cercetare'
```


	Nume	Denumire
1	Horea	Infanterie

```sql
--23.Sa se selecteze toate misiunile dupa 01 mai 2022
SELECT Misiune.Denumire
from Misiune
where DataPlecarii>'2022-05-01'
```


	Denumire
1	Coanda
2	General
3	Tiger
4	Scorpion
5	Delta

```sql
--24.Sa se afiseze numele si gradele militarilor , ordonate dupa data numirii
SELECT Militar.Nume , GradMilitar.Denumire, GradeMilitari.Data1Perioada
from Militar
inner join GradeMilitari on GradeMilitari.IDMilitar=Militar.IDMilitar
```

```sql
inner join GradMilitar on GradMilitar.IDGrad=GradeMilitari.IDGradeMilitari
order by GradeMilitari.Data1Perioada ASC
```

88 %

Results | Messages | Client Statistics

	Nume	Denumire	Data1Perioada
1	Dumitrascu	Plutonier major	2020-04-13
2	Siciu	Capitan	2020-11-03

```sql
--25.Sa se afiseze toti pilotii civili
SELECT [Angajat Civil].Nume, [Angajat Civil].Prenume
from [Angajat Civil]
inner join [Functii Angajati Civili] on [Angajat
Civil].IDAngajat_Civil=[Functii Angajati Civili].IDAngajat_Civil
inner join [Functie Civila] on [Functii Angajati Civili].IDFunctie=[Functie
Civila].IDFunctie
where [Functie Civila].[Denumire Functie] like 'Pilot'
```

Results | Messages | Cl

	Nume	Prenume
1	Vascan	Teodor
2	Titihazan	Viorel
3	Popescu	Constantin
4	Cernat	Mihai

```sql
--26.Sa se afiseze pilotul si misiunea la care participa(misiunile ordonate
alfabetic)
SELECT Militar.Nume, Misiune.Denumire
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join [Misiune] on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
inner join [FunctiiMilitari] on FunctiiMilitari.IDMilitar=Militar.IDMilitar
inner join [Functie] on Functie.IDFunctie=FunctiiMilitari.IDFunctie
where Functie.Denumire like 'Pilot'
order by Misiune.Denumire


--27.Sa se afiseze numele si prenumele pilotilor si pasagerii acestora ,
primii 10 pasageri, ordonate dupa numele pilotilor
SELECT top(10) [Angajat Civil].Nume, [Angajat Civil].Prenume, Pasager.Nume
from [Angajat Civil]
inner join [Functii Angajati Civili] on [Functii Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [AngajatiC per Cursa] on [AngajatiC per
Cursa].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join Cursa on Cursa.IDCursa=[AngajatiC per Cursa].IDCursa
inner join Bilet on Bilet.IDCursa=Cursa.IDCursa
inner join Pasager on Pasager.IDBilet=Bilet.IDBilet
```

```
inner join [Functie Civila] on [Functie Civila].IDFunctie=[Functii Angajati
Civili].IDFunctie
where [Functie Civila].[Denumire Functie] like 'Pilot'
order by [Angajat Civil].Nume
```

	Nume	Prenume	Nume
1	Cernat	Mihai	Popescu
2	Cernat	Mihai	Secui
3	Popescu	Constantin	Ciusnel
4	Popescu	Constantin	Bob
5	Titihazan	Viorel	Popescu
6	Titihazan	Viorel	Secui
7	Vascan	Teodor	Soare
8	Vascan	Teodor	Patriciu

```
--28.Sa se afiseze rapoartele de zbor din misiunea 'Sigma' si pilotul
acesteia
SELECT [RaportM Zbor].IDRaport,[RaportM Zbor].Ora,[RaportM
Zbor].ProcentCombustibil,[RaportM Zbor].ProcentDistanta,[RaportM
Zbor].StareVreme , Militar.Nume, Militar.Prenume
from [RaportM Zbor]
inner join Misiune on Misiune.IDMisiune=[RaportM Zbor].IDMisiune
inner join [Militari per Misiune] on [Militari per
Misiune].IDMisiune=Misiune.IDMisiune
inner join Militar on Militar.IDMilitar=[Militari per Misiune].IDMilitar
inner join FunctiiMilitari on FunctiiMilitari.IDMilitar=Militar.IDMilitar
inner join Functie on Functie.IDFunctie=[FunctiiMilitari].IDFunctie
where Functie.Denumire like 'Pilot' and Misiune.Denumire like 'Sigma'

--29.Sa se afiseze militarii si avioanele in care se afla, ordonate dupa
numele avioanelor
SELECT Militar.Nume, Militar.Prenume , [MarcaModelTip Avion].Marca
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join [Misiune] on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
inner join [Avion] on Avion.IDAvion=Misiune.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
order by [MarcaModelTip Avion].Marca
```

	Nume	Prenume	Marca
1	Siciu	Marian	Airbus
2	Dumitrascu	Andreea	Airbus
3	Demen	Erik	Boeing
4	Horea	Tudor	F-22
5	Ciusnel	Ciprian	Lockheed
6	Predescu	Valeriu	Lockheed

```sql
--30.Sa se afiseze pasagerii cu bilete la clasa I si varsta lor
SELECT Pasager.Nume, Pasager.Prenume, pasager.Varsta
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
where bilet.Clasa like 'I'
```

	Nume	Prenume	Varsta
1	Dinca	Andrei	25
2	Marienscu	Cosmin	33
3	Dicu	Ruxandra	24
4	Calinescu	Marina	44
5	Bob	Marley	21
6	Ionescu	Eugen	21

```sql
--31.Sa se afiseze numele prenumele varsta angajatilor de la firma 'Tarom'
SELECT [Angajat Civil].Nume, [Angajat Civil].Prenume , DATEDIFF(year,[Angajat
Civil].Data_Nastere, '2022-05-09')
from [Angajat Civil]
inner join [Firme Angajati Civili] on [Firme Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Firma Zbor] on [Firma Zbor].IDFirma_Zbor=[Firme Angajati
Civili].IDFirma_Zbor
where [Firma Zbor].Denumire like 'Tarom'
```
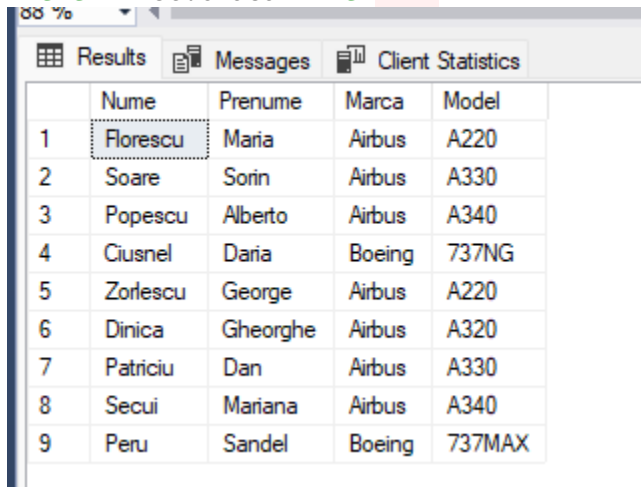
	Nume	Prenume	(No column name)
1	Pop	Teodora	27
2	Popescu	Constantin	33

```sql
--32.Sa se afiseze toti pasagerii cu bilet la clasa a doua si avionul de zbor
SELECT Pasager.Nume, Pasager.Prenume , [MarcaModelTip Avion].Marca,
[MarcaModelTip Avion].Model
from Pasager
```

```sql
inner join Bilet on bilet.IDBilet=Pasager.IDBilet
inner join Cursa on bilet.IDCursa=Cursa.IDCursa
inner join Avion on Avion.IDAvion=Cursa.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where Bilet.Clasa like 'II'
```
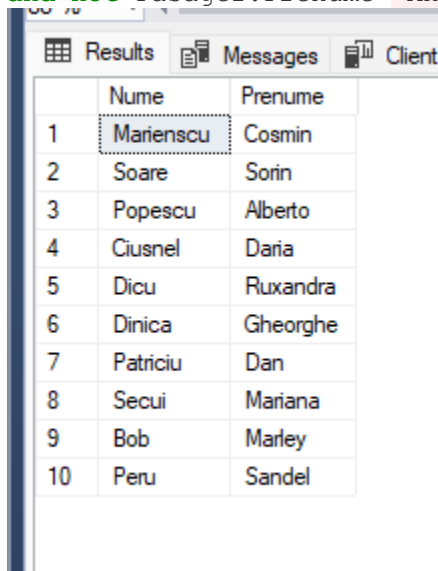
	Nume	Prenume	Marca	Model
1	Florescu	Maria	Airbus	A220
2	Soare	Sorin	Airbus	A330
3	Popescu	Alberto	Airbus	A340
4	Ciusnel	Daria	Boeing	737NG
5	Zorlescu	George	Airbus	A220
6	Dinica	Gheorghe	Airbus	A320
7	Patriciu	Dan	Airbus	A330
8	Secui	Mariana	Airbus	A340
9	Peru	Sandel	Boeing	737MAX

```sql
--33.Sa se afiseze pasagerii care nu au bilet in lunile ianuarie , februarie
sau martie si numele diferit de Andrei
SELECT Pasager.Nume, Pasager.Prenume
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
inner join Cursa on Cursa.IDCursa=Bilet.IDCursa
where not (DATEPART(MONTH,Cursa.DataPlecarii) between 1 and 3)
and not Pasager.Prenume='Andrei'
```

	Nume	Prenume
1	Marienscu	Cosmin
2	Soare	Sorin
3	Popescu	Alberto
4	Ciusnel	Daria
5	Dicu	Ruxandra
6	Dinica	Gheorghe
7	Patriciu	Dan
8	Secui	Mariana
9	Bob	Marley
10	Peru	Sandel

```sql
--34.Sa se afiseze pilotii militari al caror nume incepe cu N si misiunile in
2022
SELECT Militar.Nume, Militar.Prenume , Misiune.Denumire
from Militar
```

```sql
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
where Militar.Nume like 'N%' and DATEPART(year,Misiune.DataPlecarii)='2022'
```

--35.Sa se afiseze militarii al caror nume se termina cu U si au varsta intre 20 si 40 de ani
```sql
SELECT *
from Militar
where Militar.Nume like '%u'
and DATEDIFF(year, Militar.Data_Nastere,'2022-05-09') between 20 and 30
```

	IDMilitar	Nume	Prenume	CNP	Data_Nastere	Sex	Oras	Judet	Adresa	NumarTelefon
1	3	Siciu	Marian	1980416449064	1998-04-16	masculin	Sector 4	Bucuresti	Str. Emanuel, nr.1	40727371164
2	10	Dumitrascu	Andreea	6020110354354	2002-01-10	feminin	Timisoara	Timis	Str. Flori, nr.1	40731199768
3	15	Predescu	Valeriu	1990303264328	1999-03-03	masculin	Reghin	Mures	Str. Eugen, nr.7	40744764183

--36.Sa se afiseze unitatea militara al militarilor care au un nume care are pe a doua pozitie caracterul o sau e
```sql
SELECT [Unitate Militara].Denumire, Militar.Nume, Militar.Prenume
from [Unitate Militara]
inner join [Unitati Militare Militari] on [Unitate
Militara].IDUnitateMilitara=[Unitati Militare Militari].IDUnitateMilitara
inner join Militar on Militar.IDMilitar=[Unitati Militare Militari].IDMilitar
where Militar.Nume like '_e%' or Militar.Nume like '_o%'
```

	Denumire	Nume	Prenume
1	Flotila 71 Aeriana	Demen	Erik
2	Escadrila 142 Cercetare	Horea	Tudor

--37.Sa se afiseze militarii care sunt intr o misiune ce contine 'et', ordonati dupa numele militarului
```sql
SELECT Militar.Nume, militar.Prenume, Misiune.Denumire
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
where Misiune.Denumire like '%et%'
```

	Nume	Prenume	Denumire
1	Siciu	Marian	Betta
2	Dumitrascu	Andreea	Betta

--38.Sa se afiseze angajatii civili al caror nume incepe cu 'P' si se termica cu 'A' si a caror data de nastere nu este in zilele pare

```sql
SELECT [Angajat Civil].Nume, [Angajat Civil].Prenume, [Angajat Civil].Data_Nastere
from [Angajat Civil]
where [Angajat Civil].Nume like 'L%u' and datepart(d, [Angajat Civil].Data_Nastere) not in (2,4,6,8,10,12,14,16,18,20,22,24,26,28,30)
```

	Nume	Prenume	Data_Nastere
1	Lascu	Mihaela	1989-07-13

--39.Sa se afiseze numarul de pasageri din avionele al caror model incepe cu litera A

```sql
SELECT count(distinct Pasager.Nume), [MarcaModelTip Avion].Marca, [MarcaModelTip Avion].Model
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
inner join Cursa on Cursa.IDCursa=Bilet.IDCursa
inner join Avion on Avion.IDAvion=Cursa.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where [MarcaModelTip Avion].Model like 'A%'
group by [MarcaModelTip Avion].Marca, [MarcaModelTip Avion].Model
```

	(No column name)	Marca	Model
1	5	Airbus	A220
2	2	Airbus	A320
3	2	Airbus	A330
4	2	Airbus	A340

--40.Sa se afiseze militarii care zboara cu avioane de vanatoare

```sql
SELECT Militar.Nume, Militar.Prenume , [MarcaModelTip Avion].Marca, [MarcaModelTip Avion].Model, [MarcaModelTip Avion].Tip
from Militar
inner join [Militari per Misiune] on [Militari per Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
inner join Avion on Misiune.IDAvion=avion.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=avion.IDMMT
where [MarcaModelTip Avion].Tip like 'militar de vanatoare'
```

	Nume	Prenume	Marca	Model	Tip
1	Horea	Tudor	F-22	Raptor	militar de vanatoare

```
--41.Sa se afiseze numele si prenumele inginerilor militari din misiuni
ordonati dupa misiuni
SELECT Militar.Nume, Militar.Prenume, Functie.Denumire, Misiune.Denumire
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
inner join FunctiiMilitari on FunctiiMilitari.IDMilitar=Militar.IDMilitar
inner join Functie on Functie.IDFunctie=FunctiiMilitari.IDFunctie
where Functie.Denumire like 'Inginer'
order by Misiune.Denumire
```

88 %

Results | Messages | Client Statistics

	Nume	Prenume	Denumire	Denumire
1	Siciu	Marian	Inginer	Betta

```
--42.Sa se afiseze numele si prenumele pasagerilor cu varsta intr 20 si 30
care au ca pilot pe Vascan Teodor
SELECT Pasager.Nume, Pasager.Prenume
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
inner join Cursa on Cursa.IDCursa=Bilet.IDCursa
inner join [AngajatiC per Cursa] on Cursa.IDCursa=[AngajatiC per
Cursa].IDCursa
inner join [Angajat Civil] on [Angajat Civil].IDAngajat_Civil=[AngajatiC per
Cursa].IDAngajat_Civil
where [Angajat Civil].Nume like 'Vascan' and Pasager.Varsta between 20 and 30
```

88 %

Results | Messages

	Nume	Prenume
1	Soare	Sorin

```
--43.Sa se afiseze numele militarilor grupati dupa avioane
SELECT distinct [MarcaModelTip Avion].Marca, Militar.Nume, Militar.Prenume
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
inner join Avion on Avion.IDAvion=Misiune.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
group by [MarcaModelTip Avion].Marca, Militar.Nume, Militar.Prenume
```

--44.Sa se afiseze numele , prenumele , CNP-ul , functia si numarul total de misiuni al fiecarui militar
```sql
SELECT Militar.Nume, Militar.Prenume, Militar.CNP, Functie.Denumire ,
count([Militari per Misiune].IDMisiune) as 'Numar de misiuni'
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join FunctiiMilitari on FunctiiMilitari.IDMilitar=Militar.IDMilitar
inner join Functie on Functie.IDFunctie=FunctiiMilitari.IDFunctie
group by Militar.Nume, Militar.Prenume, Militar.CNP, Functie.Denumire
```


--45.Sa se afiseze pilotii care au pasageri cu varsta cuprinsa intre 30 si 40 si numarul de telefon care incepe cu 0774 si avionul pe care il conduc
```sql
SELECT distinct [Angajat Civil].Nume, [Angajat Civil].Prenume, Pasager.Nume,
Pasager.Prenume, Pasager.Varsta, Pasager.NumarTelefon , [MarcaModelTip
Avion].Marca, [MarcaModelTip Avion].Model
from [Angajat Civil]
inner join [Functii Angajati Civili] on [Functii Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join Functie on Functie.IDFunctie=[Functii Angajati Civili].IDFunctie
inner join [AngajatiC per Cursa] on [AngajatiC per
Cursa].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join Cursa on Cursa.IDCursa=[AngajatiC per Cursa].IDCursa
inner join Avion on avion.IDAvion=Cursa.IDAvion
inner join Bilet on Bilet.IDCursa=Bilet.IDCursa
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
inner join Pasager on Pasager.IDBilet=Bilet.IDBilet
```

```sql
where (Pasager.Varsta between 30 and 40) and Pasager.NumarTelefon like
'40774%' and Functie.Denumire like 'Pilot'
group by [Angajat Civil].Nume, [Angajat Civil].Prenume, Pasager.Nume,
Pasager.Prenume, Pasager.Varsta, Pasager.NumarTelefon,[MarcaModelTip
Avion].Marca, [MarcaModelTip Avion].Model
```

	Nume	Prenume	Nume	Prenume	Varsta	NumarTelefon	Marca	Model
1	Cernat	Mihai	Marienscu	Cosmin	33	40774093285	Airbus	A340
2	Popescu	Constantin	Marienscu	Cosmin	33	40774093285	Boeing	737NG
3	Titihazan	Viorel	Marienscu	Cosmin	33	40774093285	Airbus	A340
4	Vascan	Teodor	Marienscu	Cosmin	33	40774093285	Airbus	A330

```sql
--46.Sa se afiseze ziua , luna , anul pe coloane diferit a primilor 10
angajati civili care indeplinesc conditiile: sa nu fie nascuti intr o luna
para si sa fie nascuti intr o zi intre 10 si 20
SELECT top(10) [Angajat Civil].Nume , [Angajat Civil].Prenume, DATEPART(day,
[Angajat Civil].Data_Nastere) as 'Ziua de nastere', DATEPART(month, [Angajat
Civil].Data_Nastere) as 'Luna de nastere', DATEPART(year, [Angajat
Civil].Data_Nastere) as 'Anul de nastere'
from [Angajat Civil]
where DATEPART(month, [Angajat Civil].Data_Nastere) not in(2,4,6,8,10,12) and
DATEPART(day,[Angajat Civil].Data_Nastere) between 10 and 20
```

	Nume	Prenume	Ziua de nastere	Luna de nastere	Anul de nastere
1	Lascu	Mihaela	13	7	1989
2	Popescu	Constantin	20	3	1989
3	Ardeleanu	Mircea	11	9	1991

```sql
--47.Sa se afiseze in ce data a avut loc majoratul militarilor
SELECT Militar.Nume, Militar.Prenume, dateadd(year, 18, Data_Nastere) as
'data majorat'
from Militar
```

	Nume	Prenume	data majorat
1	Siciu	Marian	2016-04-16
2	Dumitrascu	Andreea	2020-01-10
3	Demen	Erik	2015-06-26
4	Ciusnel	Ciprian	2019-04-28
5	Predescu	Valeriu	2017-03-03
6	Horea	Tudor	2016-01-22
7	Enache	Ciprian	1993-04-16
8	Sica	Marian	1988-04-16
9	Epureanu	Sandel	1990-04-16

--48.Sa se afiseze militarii si cate zile au trecut de la data nasterii acestora
```sql
SELECT Militar.Nume, Militar.Prenume, DATEDIFF(day, Militar.Data_Nastere,
GETDATE()) as 'Zile de la nastere'
from Militar
```

	Nume	Prenume	Zile de la nastere
1	Siciu	Marian	8794
2	Dumitrascu	Andreea	7429
3	Demen	Erik	9088
4	Ciusnel	Ciprian	7686
5	Predescu	Valeriu	8473
6	Horea	Tudor	8878
7	Enache	Ciprian	17195
8	Sica	Marian	19021
9	Epureanu	Sandel	18290

--49.Sa se afiseze angajatii civili si vechimea lor in firma cea mai recent lucrata
```sql
SELECT [Angajat Civil].Nume, [Angajat Civil].Prenume, DATEDIFF(day,[Firme
Angajati Civili].Data_Angajare, '2022-05-09') as 'Zile lucrate'
from [Angajat Civil]
inner join [Firme Angajati Civili] on [Firme Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
where [Firme Angajati Civili].Data_Plecarii is null
```

	Nume	Prenume	Zile lucrate
1	Laufer	Andreea	124
2	Tudorache	Andreea	951
3	Pop	Teodora	552
4	Popescu	Sorina	1073
5	Lascu	Mihaela	2244
6	Dima	Denisa	863
7	Miclaus	Simona	2195
8	Baltag	Octavian	951
9	Stanescu	Constantin	1274
10	Voicu	Violeta	756
11	Vascan	Teodor	1098
12	Titihazan	Viorel	4175
13	Popescu	Constantin	3816
14	Pacurar	Claudia	4232
15	Oltean	Ioan-Danut	1463
16	Marinescu	Andrei	96
17	Golovanov	Carmen	725
18	Darie	Emanuel	422
19	Cernat	Mihai	787
20	Bicu	Aida	127
21	Ardeleanu	Mircea	2998

```
--50.Sa se afiseze toti pasagerii al caror nume incepe cu litera 'A', 'B' si
'C' folosind functia ASCII
SELECT Pasager.Nume, Pasager.Prenume,ASCII('A') as A, ASCII('B') as B,
ASCII('C') as C
from Pasager
where ASCII(Pasager.Nume) in (65,66,67)
```

	Nume	Prenume	A	B	C
1	Ciusnel	Daria	65	66	67
2	Calinescu	Marina	65	66	67
3	Bob	Marley	65	66	67

```
--51.Sa se codifice ziua , luna si anul de nastere al angajatilor civili  in
fucntie de caracterul corespunzator din tabela ascii
SELECT [Angajat Civil].Nume, [Angajat Civil].Prenume,
CHAR(DATEPART(day,Data_Nastere)%255) as 'Ziua de Nastere',
CHAR(DATEPART(month,Data_Nastere)%255) as 'Luna de Nastere',
CHAR(DATEPART(year,Data_Nastere)%255) as 'Anul de Nastere'
from [Angajat Civil]
```

	Nume	Prenume	Ziua de Nastere	Luna de Nastere	Anul de Nastere
1	Laufer	Andreea	▯	▯	Ú
2	Tudorache	Andreea	▯		Đ
3	Pop	Teodora		▯	Ò
4	Popescu	Sorina	▯		Ï
5	Lascu	Mihaela		▯	Ì
6	Dima	Denisa	▯	▯	Ø
7	Miclaus	Simona	▯	▯	E
8	Baltag	Octavian		▯	Ò
9	Stanescu	Constantin	▯	▯	Ô
10	Voicu	Violeta		▯	Ö
11	Vascan	Teodor	▯		Ì
12	Titihazan	Viorel	▯	▯	E
13	Popescu	Constantin	▯	▯	Ì
14	Pacurar	Claudia	▯	▯	Ê
15	Oltean	Ioan-Danut	▯	▯	Í
16	Marinescu	Andrei	▯		Ô
17	Golovanov	Carmen		▯	Ő
18	Darie	Emanuel	▯	▯	Ö
19	Cernat	Mihai	▯		Í
20	Bicu	Aida		▯	Ù
21	Ardeleanu	Mircea			Î

--52.Sa se afiseze militarii in ordine descrescatoare a lungimii numelui si a prenumelui
```
SELECT Militar.Nume, Militar.Prenume, LEN(Militar.Nume)+LEN(Militar.Prenume) as 'Lungime nume+prenume'
from Militar
order by LEN(Militar.Nume)+len(Militar.Prenume) DESC
```

	Nume	Prenume	Lungime nume+prenume
1	Dumitrascu	Andreea	17
2	Predescu	Valeriu	15
3	Ciusnel	Ciprian	14
4	Epureanu	Sandel	14
5	Enache	Ciprian	13
6	Siciu	Marian	11
7	Sica	Marian	10
8	Horea	Tudor	10
9	Demen	Erik	9

--53.Sa se dubleze initialele numelui si prenumelui pasagerilor
```
SELECT
REPLICATE(LEFT(pasager.Nume,1),2)+REPLICATE(LEFT(Pasager.Prenume,1),2) as '2xnume_2xprenume'
from Pasager
```

	2xnume_2xprenume
1	DDAA
2	FFMM
3	MMCC
4	SSSS
5	PPAA
6	CCDD
7	DDRR
8	CCMM
9	ZZGG
10	DDGG
11	PPDD
12	SSMM
13	BBMM
14	PPSS
15	IIEE

```sql
--54.Sa se afiseze invers numele pilotilor militari cat si inversul modelul
de avion pe care il conduc in misiuni
SELECT REVERSE(Militar.Nume) , REVERSE([MarcaModelTip Avion].Model)
from Militar
inner join FunctiiMilitari on FunctiiMilitari.IDMilitar=Militar.IDMilitar
inner join Functie on Functie.IDFunctie=FunctiiMilitari.IDFunctie
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
inner join Avion on Avion.IDAvion=Misiune.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where Functie.Denumire like 'Pilot'


--55.Sa se afiseze toate firmele de zbor si cati angajati au
SELECT [Firma Zbor].Denumire, count([Angajat Civil].Nume) as 'Numar
angajati'
from [Firma Zbor],[Angajat Civil]
inner join [Firme Angajati Civili] on [Firme Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
where [Firme Angajati Civili].IDFirma_Zbor=[Firma Zbor].IDFirma_Zbor
group by [Firma Zbor].Denumire
```

	Denumire	Numar angajati
1	Air Europa	2
2	Blue Air	3
3	Emirates	5
4	ITA Airways	3
5	Lufthansa	3
6	Pegasus	3
7	Ryanair	2
8	Tarom	2
9	Wizz Air	2

```sql
--56.Sa se afiseze pilotii civili si cati pasageri au acestia
SELECT [Angajat Civil].Nume, count(Pasager.Nume) as 'Numar de pasageri'
from [Angajat Civil]
inner join [Functii Angajati Civili] on [Functii Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Functie Civila] on [Functie Civila].IDFunctie=[Functii Angajati
Civili].IDFunctie
inner join [AngajatiC per Cursa] on [AngajatiC per
Cursa].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join Cursa on Cursa.IDCursa=[AngajatiC per Cursa].IDCursa
inner join Bilet on Bilet.IDCursa=Cursa.IDCursa
inner join Pasager on Pasager.IDBilet=Bilet.IDBilet
where [Functie Civila].[Denumire Functie] like 'Pilot'
group by [Angajat Civil].Nume
```

	Nume	Numar de pasageri
1	Cernat	2
2	Popescu	2
3	Titihazan	2
4	Vascan	2

```sql
--57.Sa se afiseze media de varsta a pasagerilor din zborul catre
'Aeroportul internationa "Charles de Gaulle"'
SELECT AVG(Pasager.Varsta)
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
inner join Cursa on Bilet.IDCursa=Cursa.IDCursa
inner join Aeroport on Aeroport.IDAeroport=Cursa.IDAeroportSosire
where Aeroport.Denumire like 'Aeroportul internationa "Charles de Gaulle"'

--58.Sa se afiseze   cati angajati civili au fost nascuti grupati dupa anul
nasterii si ordinea descrescatoare
SELECT YEAR([Angajat Civil].Data_Nastere) as 'Anul nasterii', COUNT([Angajat
Civil].Nume) as 'Numar angajati nascuti'
from [Angajat Civil]
group by year([Angajat Civil].Data_Nastere)
```

```sql
order by count([Angajat Civil].Nume) DESC
```

	Anul nasterii	Numar angajati nascuti
1	1989	3
2	1990	2
3	1988	2
4	1995	2
5	1997	2
6	1999	2
7	2001	1
8	2002	1
9	2003	1
10	1998	1
11	1987	1
12	1991	1
13	1992	1
14	1993	1

```sql
--59.Sa se afiseze numarul de zboruri pe anul 2022 in zilele impare
SELECT DATEPART(day, Cursa.DataPlecarii) as 'Ziua plecarii',
count(distinct(Cursa.DataPlecarii))
from Cursa
group by DATEPART(day, cursa.DataPlecarii)
having DATEPART(day, Cursa.DataPlecarii)
in(1,3,5,7,9,11,13,15,17,19,21,23,25,27,29,31)
```

	Ziua plecarii	(No column name)
1	1	2
2	11	2
3	23	1

```sql
--60.Sa se afiseze cati pasageri au numele incepand cu 'A'-'E' grupati dupa
varsta.Sortati desc dupa numarul de pasageri
SELECT Pasager.Varsta , count(*) as 'Numar pasageri'
from Pasager
where Pasager.Nume between 'A' and 'E'
group by Varsta
order by count(*) DESC
```

	Varsta	Numar pasageri
1	21	1
2	24	1
3	25	1
4	34	1
5	44	1
6	45	1

```
--61.Sa se creeze o expresie care afiseaza pasagerii, avionul cursei, pilotul
acestuia si denumirea aeroportului destinatie
WITH CTE5
as
(
        SELECT distinct Pasager.Nume+' '+Pasager.Prenume as 'Nume Prenume
Pasager', [MarcaModelTip Avion].Marca +' '+[MarcaModelTip Avion].Model as
'Marca Model Avion', [Angajat Civil].Nume+' '+[Angajat Civil].Prenume as
'Nume Prenume PILOT', Aeroport.Denumire
        from Pasager
        inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
        inner join Cursa on Cursa.IDCursa=Bilet.IDCursa
        inner join Avion on Avion.IDAvion=Cursa.IDAvion
        inner join [MarcaModelTip Avion] on [MarcaModelTip
Avion].IDMMT=Avion.IDMMT
        inner join Aeroport on Aeroport.IDAeroport=Cursa.IDAeroportSosire
        inner join [AngajatiC per Cursa] on [AngajatiC per
Cursa].IDCursa=Cursa.IDCursa
        inner join [Angajat Civil] on [Angajat
Civil].IDAngajat_Civil=[AngajatiC per Cursa].IDAngajat_Civil
        inner join [Functii Angajati Civili] on [Functii Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
        inner join [Functie Civila] on [Functie Civila].IDFunctie=[Functii
Angajati Civili].IDFunctie
        where [Functie Civila].[Denumire Functie] like 'Pilot'
)
select * from CTE5
```


	Nume Prenume Pasager	Marca Model Avion	Nume Prenume PILOT	Denumire
1	Bob Marley	Boeing 737NG	Popescu Constantin	Aeroportul internationa "Henri Coanda"
2	Ciusnel Daria	Boeing 737NG	Popescu Constantin	Aeroportul internationa "Henri Coanda"
3	Patriciu Dan	Airbus A330	Vascan Teodor	Aeroportul internationa Frankfurt
4	Popescu Alberto	Airbus A340	Cernat Mihai	Aeroportul internationa "Henri Coanda"
5	Popescu Alberto	Airbus A340	Titihazan Viorel	Aeroportul internationa "Henri Coanda"
6	Secui Mariana	Airbus A340	Cernat Mihai	Aeroportul internationa "Henri Coanda"
7	Secui Mariana	Airbus A340	Titihazan Viorel	Aeroportul internationa "Henri Coanda"
8	Soare Sorin	Airbus A330	Vascan Teodor	Aeroportul internationa Frankfurt

```
--62.Sa se creeze o expresie care afiseaza cel mai ieftin bilet pe curse
WITH CTE6(ID_CURSA,[Pret minim])
as
(
        SELECT Cursa.IDCursa as 'ID_CURSA', min(Bilet.Pret) as 'Pret minim'
        from Bilet
        inner join Cursa on Cursa.IDCursa=Bilet.IDCursa
        group by Cursa.IDCursa
)
SELECT * from CTE6
```

	ID_CURSA	Pret minim
1	1	255
2	2	100
3	3	115
4	4	140
5	5	155
6	6	150
7	7	205

```
--63.Sa se creeze o expresie care sa afiseze grupat pe luna cate curse sunt
WITH CTE7(Luna_Cursa, Numar)
as
(
        SELECT convert(varchar(40),month(Cursa.DataPlecarii),6),count(*)
        from Cursa
        group by Month(Cursa.DataPlecarii)
        having count(*)>=1
)
SELECT * from CTE7
```

	Luna_Cursa	Numar
1	2	1
2	3	1
3	4	1
4	5	1
5	6	1
6	7	1
7	11	1

```
--64.Sa se creeze o expresie ce afiseaza numele si prenumele inginerilor
militari din misiuni ordonati dupa misiuni
with CTE8(Nume, Prenume, Functie, Misiune)
as
(
        SELECT Militar.Nume, Militar.Prenume, Functie.Denumire,
Misiune.Denumire
        from Militar
```

```
        inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
        inner join Misiune on Misiune.IDMisiune=[Militari per
Misiune].IDMisiune
        inner join FunctiiMilitari on
FunctiiMilitari.IDMilitar=Militar.IDMilitar
        inner join Functie on Functie.IDFunctie=FunctiiMilitari.IDFunctie
        where Functie.Denumire like 'Inginer'

)
SELECT * from CTE8
order by cte8.Misiune
```

	Nume	Prenume	Functie	Misiune
1	Siciu	Marian	Inginer	Betta

```
--65.Sa se creeze o expresie care afiseaza numele prenumele angajatilor
civili de la firma 'Emirates' si varsta acestora
with CTE9(Nume, Prenume, Varsta, Firma)
as
(
        SELECT [Angajat Civil].Nume, [Angajat Civil].Prenume ,
DATEDIFF(year,[Angajat Civil].Data_Nastere, '2022-05-09'), [Firma
Zbor].Denumire
        from [Angajat Civil]
        inner join [Firme Angajati Civili] on [Firme Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
        inner join [Firma Zbor] on [Firma Zbor].IDFirma_Zbor=[Firme Angajati
Civili].IDFirma_Zbor
        where [Firma Zbor].Denumire like 'Emirates'
)
select * from CTE9
```

	Nume	Prenume	Varsta	Firma
1	Lascu	Mihaela	33	Emirates
2	Dima	Denisa	21	Emirates
3	Stanescu	Constantin	25	Emirates
4	Marinescu	Andrei	25	Emirates
5	Cernat	Mihai	32	Emirates

```
--66.Sa se verifice exista unei coloane
IF EXISTS(SELECT*FROM INFORMATION_SCHEMA.COLUMNS WHERE COLUMN_NAME='IDCursa')
BEGIN
PRINT'EXISTA'
END
```

--67.Sa se verifice exista unei tabele
```sql
IF EXISTS(SELECT* FROM INFORMATION_SCHEMA.TABLES WHERE TABLE_NAME='Functie')
BEGIN
PRINT'Exista'
END
```

Exista

Completion time: 2022-05-14T00:45:57.4370619+03:00

--68.Sa se modifice tipul orei de plecare din Cursa in varchar(50) si sa ii
se puna constragere sa nu fie NULL.
```sql
ALTER TABLE Cursa
ALTER COLUMN Oraplecarii VARCHAR(50) NOT NULL
SELECT *
FROM Cursa
```

	IDCursa	IDAvion	DataPlecarii	DataSosirii	OraPlecarii	OraSosirii	IDAeroportPlecare	IDAeroportSosire
1	1	1	2022-02-01	2022-02-01	15:00	21:00	1	9
2	2	2	2022-03-22	2022-03-23	21:00	01:30	2	10
3	3	3	2022-04-23	2022-04-24	23:00	05:00	3	8
4	4	4	2022-06-11	2022-06-11	03:00	09:00	4	9
5	5	5	2022-05-11	2022-05-11	14:00	15:00	5	1
6	6	6	2022-11-12	2022-11-12	05:00	07:30	6	1
7	7	7	2022-07-01	2022-07-01	5:45	8:00	7	1

--69.Sa se adauge o coloana noua in tabela Functie cu urmatoarele
constrangeri: sa nu existe camp NULL si valoarea default sa fie ='Fara
functie'
```sql
ALTER TABLE Functie
ADD Functie VARCHAR(30) NOT NULL DEFAULT 'FARA FUNCTIE'
GO
SELECT *
FROM Functie
```

(4 rows affected)

Completion time: 2022-05-14T00:46:16.4699553+03:00

--70.Sa se stearga coloana adaugata in tabela.?
```sql
ALTER TABLE Functie
DROP COLUMN Functie.Functie
```

--71.Sa se creeze o tranzactie in care sa inserati un rand in tabela
militar.Tratati cazurile de eroare.

```sql
begin try
        begin tran;
                set identity_insert.Militar on
                INSERT INTO
Militar(IDMilitar,Nume,Prenume,CNP,Data_Nastere,Sex,Oras,Judet,Adresa,NumarTe
lefon)
                values(13,'Salcie','Mirel','1720416449064','1972-04-
16','masculin','Slatioara','Olt','Str. Mircea, nr.44', 40799190087)
                set identity_insert.Militar off;
        commit tran;
end try

begin catch
        if ERROR_NUMBER()=2627
        begin
                print'Primary Key Violation';
        end
        else if ERROR_NUMBER()=547
        begin
                print'Constraint violation';
        end
        else
        begin
                print'Unhandled error';
        end
        if @@TRANCOUNT>0 rollback transaction;
end catch
```

```
(0 rows affected)
Primary Key Violation

Completion time: 2022-05-14T00:46:40.7473516+03:00
```

```sql
--72.Sa se creeze o tranzactie in care sa se insereze 2 randuri in tabela
pasager . Tratati cazurile de eroare (2)
DECLARE @errnum as int;

begin tran;
        set IDENTITY_INSERT.Pasager on;
        insert into Pasager(IDPasager,Nume,
Prenume,Varsta,NumarTelefon,IDBilet)
        values(1,'Marin','Radu',45,4074566892,2);

        set @errnum = @@ERROR;
        if @errnum <>0
        begin
                if @@TRANCOUNT > 0 ROLLBACK tran;
                print'Insert failed'+cast(@errnum as varchar);
        end;
        INSERT INTO Pasager(IDPasager,Nume,
Prenume,Varsta,NumarTelefon,IDBilet)
        VALUES(50, 'Silviu','Andrei', 33,4074566891,3);
        SET @errnum = @@ERROR;
        IF @errnum <> 0
```

```
            BEGIN
                    IF @@TRANCOUNT > 0 ROLLBACK TRAN;
                    PRINT 'Insert2 failed'+ CAST(@errnum AS VARCHAR);
            END;
            SET IDENTITY_INSERT.Pasager OFF;
            IF @@TRANCOUNT > 0 COMMIT TRAN;

--73.Sterge randul inserat
        DELETE from Pasager where IDPasager=50;
        print'DELETED'+ cast(@@rowcount as varchar)+'rows';

--74-75.Creeaza o tranzactie in care sa se realizeze o modificare si una
pentru insertie .Tratati cazurile de eroare
begin try
        begin tran;
                --set identity_insert.Aeroport on
                INSERT INTO Aeroport(IDAeroport,Denumire,Oras,Tara)
                values(11,'Aeroportul international
Maadrid','Madrid','Spania');

                select * from Aeroport where IDAeroport=11;
                        begin tran
                        select @@TRANCOUNT;

                        update Aeroport
                        set Denumire='Aeroportul international Miguel'
                        where IDAeroport=10

                        select * from Aeroport where IDAeroport=11
                        commit

                --set identity_insert.Aeroport off;
                select @@TRANCOUNT;
        commit tran;
end try

begin catch
        if ERROR_NUMBER()=2627
        begin
                print'Primary Key Violation';
        end
        else if ERROR_NUMBER()=547
        begin
                print'Constraint violation';
        end
        else
        begin
                print'Unhandled error';
        end
        if @@TRANCOUNT>0 rollback transaction;
end catch

--76.Sterge randul de mai sus inserat
```

```sql
delete from Aeroport where IDAeroport=11;
print'deleted '+ CAST(@@rowcount as varchar)+ ' rows';

--77.
begin try
        begin tran
        set identity_insert.[MarcaModelTip Avion] on
        select *from [MarcaModelTip Avion]
        INSERT INTO [MarcaModelTip
Avion](IDMMT,Marca,Model,Tip,CapacitateMaxima)
                VALUES (19,'Airbus','A600','militar de transport',300)
        INSERT INTO [MarcaModelTip
Avion](IDMMT,Marca,Model,Tip,CapacitateMaxima)
                VALUES (20,'Airbus','A336','civil',300)


        update [MarcaModelTip Avion]
        SET CapacitateMaxima=CapacitateMaxima+5
        where model='A336'



        select  CapacitateMaxima from [MarcaModelTip Avion]
        where Model='A336'

        set identity_insert.[MarcaModelTip Avion] off
        commit tran
end try

begin catch
        if ERROR_NUMBER()=2627
        begin
                print'Primary Key Violation';
        end
        else if ERROR_NUMBER()=547
        begin
                print'Constraint violation';
        end
        else
        begin
                print'Unhandled error';
        end
        if @@TRANCOUNT>0 rollback transaction;
end catch

--78.
begin try
        begin tran
        set identity_insert.Pasager on
        select MAX(Pasager.Varsta) from Pasager
        INSERT INTO Pasager( IDPasager,Nume, Prenume,Varsta,
NumarTelefon,IDBilet)
                VALUES (15,'Sulger','Ramona',24,40774092666,5)
        INSERT INTO Pasager(IDPasager,Nume, Prenume,Varsta,
NumarTelefon,IDBilet)
```

```sql
            VALUES (14,'Roma','Silviu',68,40775876123,6)

        update Pasager
        set Varsta='Dacia'
        WHERE IDPasager=31

    select * from Pasager
    where IDPasager=31

    set identity_insert.Pasager off
    commit tran
end try
begin catch
    IF ERROR_NUMBER() = 2627 -- Duplicate key violation
    BEGIN
    PRINT 'Primary Key violation';
    END
    ELSE IF ERROR_NUMBER() = 547 -- Constraint violations
    BEGIN
    PRINT 'Constraint violation';
    END
    ELSE
    BEGIN
    PRINT 'Unhandled error';
    END;

end catch

--79.
begin try
        begin tran
        set identity_insert.Aeroport on
        INSERT INTO Aeroport(Denumire,Oras,Tara)
                VALUES ('Aeroportul international
Lisabona','Lisabona','Portugalia')
        INSERT INTO Aeroport(Denumire,Oras,Tara)
                VALUES ('Aeroportul international
Bruxelles','Bruxelles','Belgia')

        update Aeroport
        set Denumire='Aeroportul international "Zaventem"'
        WHERE Oras='Bruxelles'

    select * from Aeroport
    where IDAeroport>5

    set identity_insert.Aeroport off
    commit tran
end try
begin catch
    if ERROR_NUMBER()=2627
    begin
            print'Primary Key Violation';
```

```sql
			end
		else if ERROR_NUMBER()=547
		begin
				print'Constraint violation';
		end
		else
		begin
				print'Unhandled error';
		end
		if @@TRANCOUNT>0 rollback transaction;
end catch

--80.(7)
begin try
		begin tran
		set identity_insert.[MarcaModelTip Avion] on

delete [MarcaModelTip Avion] from [MarcaModelTip Avion]
where [MarcaModelTip Avion].Model like 'A336'

		INSERT INTO [MarcaModelTip
Avion](IDMMT,Marca,Model,Tip,CapacitateMaxima)
				VALUES (19,'Airbus','A779','militar de transport',300)

		SELECT *FROM [MarcaModelTip Avion]
		set identity_insert.[MarcaModelTip Avion] off
		commit tran
end try


begin catch
		if ERROR_NUMBER()=2627
		begin
				print'Primary Key Violation';
		end
		else if ERROR_NUMBER()=547
		begin
				print'Constraint violation';
		end
		else
		begin
				print'Unhandled error';
		end
		if @@TRANCOUNT>0 rollback transaction;
end catch

--81.(8)
begin try
		begin tran

		select * from [Functie Civila]

		INSERT INTO [Functie Civila](IDFunctie,[Denumire Functie])
```
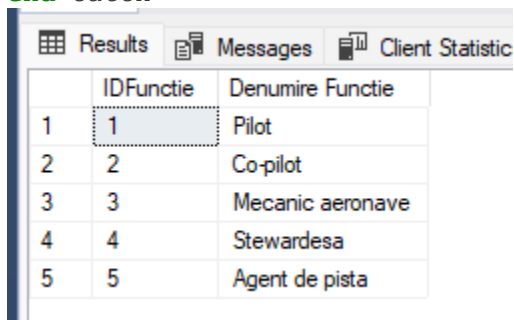
```sql
        values
        (1078,'Paramedic')
        INSERT INTO [Functie Civila](IDFunctie,[Denumire Functie])
        values
        (1080,'Paza')

        select *from [Functie Civila]
        where IDFunctie=1080 and IDFunctie=1078

        commit tran
end try
begin catch
        IF ERROR_NUMBER() = 2627 -- Duplicate key violation
        BEGIN
        PRINT 'Primary Key violation';
        END
        ELSE IF ERROR_NUMBER() = 547 -- Constraint violations
        BEGIN
        PRINT 'Constraint violation';
        END
        ELSE
        BEGIN
        PRINT 'Unhandled error';
        END;

end catch
```


	IDFunctie	Denumire Functie
1	1	Pilot
2	2	Co-pilot
3	3	Mecanic aeronave
4	4	Stewardesa
5	5	Agent de pista

```sql
--82.(9)

begin try
        begin tran

        select *from Aeroport
        INSERT INTO Aeroport(Denumire,Oras,Tara)
                VALUES ('Aeroportul international
Lisabona','Lisabona','Portugalia')

                begin tran
        update Aeroport
        SET Tara='Portugal'
        where Tara='Portugalia'

        commit
        INSERT INTO Aeroport(Denumire,Oras,Tara)
```

```
                    VALUES ('Aeroportul international
Barcelona','Barcelona','Spania')

        commit tran
end try
begin catch
        IF ERROR_NUMBER() = 2627 -- Duplicate key violation
        BEGIN
        PRINT 'Primary Key violation';
        END
        ELSE IF ERROR_NUMBER() = 547 -- Constraint violations
        BEGIN
        PRINT 'Constraint violation';
        END
        ELSE
        BEGIN
        PRINT 'Unhandled error';
        END;

end catch
```

	IDAeroport	Denumire	Oras	Tara
1	1	Aeroportul internationa "Henri Coanda"	Bucuresti	Romania
2	2	Aeroportul internationa "Avram Iancu"	Cluj-Napoca	Romania
3	3	Aeroportul internationa Craiova	Craiova	Romania
4	4	Aeroportul internationa "Traian Vuia"	Timisoara	Romania
5	5	Aeroportul internationa Sibiu	Sibiu	Romania
6	6	Aeroportul internationa Arad	Arad	Romania
7	7	Aeroportul internationa "George Enescu"	Bacau	Romania
8	8	Aeroportul internationa Heathrow	Londra	Regatul Unit
9	9	Aeroportul internationa Frankfurt	Frankfurt am Main	Germania
10	10	Aeroportul international Miguel	Roissy-en-France	Franta

```
--83.(10).
begin tran


        INSERT INTO Aeroport(Denumire,Oras,Tara)
                VALUES ('Aeroportul international
Lisabona','Lisabona','Portugalia')

                begin tran
        delete from Aeroport
        where Aeroport.Tara like 'Portugal'

        commit
        INSERT INTO Aeroport(Denumire,Oras,Tara)
```

```
              VALUES ('Aeroportul international
Falticeni','Falticeni','Romania')

        commit tran

        select *from Aeroport
```

	IDAeroport	Denumire	Oras	Tara
1	1	Aeroportul internationa "Henri Coanda"	Bucuresti	Romania
2	2	Aeroportul internationa "Avram Iancu"	Cluj-Napoca	Romania
3	3	Aeroportul internationa Craiova	Craiova	Romania
4	4	Aeroportul internationa "Traian Vuia"	Timisoara	Romania
5	5	Aeroportul internationa Sibiu	Sibiu	Romania
6	6	Aeroportul internationa Arad	Arad	Romania
7	7	Aeroportul internationa "George Enescu"	Bacau	Romania
8	8	Aeroportul internationa Heathrow	Londra	Regatul Unit
9	9	Aeroportul internationa Frankfurt	Frankfurt am Main	Germania
10	10	Aeroportul international Miguel	Roissy-en-France	Franta
11	18	Aeroportul international Barcelona	Barcelona	Spania
12	19	Aeroportul international Lisabona	Lisabona	Portugalia
13	20	Aeroportul international Falticeni	Falticeni	Romania

```
--84.
SELECT Militar.IDMilitar,Nume,Prenume
            FROM Militar
            INNER JOIN FunctiiMilitari as fm
            ON fm.IDMilitar=Militar.IDMilitar
            UNION ALL
            SELECT Militar.IDMilitar,Nume,Prenume
            FROM Militar
            INNER JOIN GradeMilitari as gm
            ON gm.IDMilitar=Militar.IDMilitar
```

	IDMilitar	Nume	Prenume
1	3	Siciu	Marian
2	10	Dumitrascu	Andreea
3	13	Demen	Erik
4	14	Ciusnel	Ciprian
5	15	Predescu	Valeriu
6	16	Horea	Tudor
7	3	Siciu	Marian
8	10	Dumitrascu	Andreea
9	13	Demen	Erik
10	14	Ciusnel	Ciprian
11	15	Predescu	Valeriu
12	16	Horea	Tudor

```sql
--85
SELECT [Angajat Civil].IDAngajat_Civil,Nume,Prenume
          FROM [Angajat Civil]
          INNER JOIN [Functii Angajati Civili] as fm
          ON fm.IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
          UNION ALL
          SELECT [Angajat Civil].IDAngajat_Civil,Nume,Prenume
          FROM [Angajat Civil]
          INNER JOIN [Firme Angajati Civili] as gm
          ON gm.IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
```

	IDAngajat_Civil	Nume	Prenume
1	1	Laufer	Andreea
2	2	Tudorache	Andreea
3	3	Pop	Teodora
4	4	Popescu	Sorina
5	5	Lascu	Mihaela
6	6	Dima	Denisa
7	7	Miclaus	Simona
8	8	Baltag	Octavian
9	9	Stanescu	Constantin
10	10	Voicu	Violeta
11	11	Vascan	Teodor
12	11	Vascan	Teodor
13	12	Titihazan	Viorel
14	12	Titihazan	Viorel
15	13	Popescu	Constantin
16	13	Popescu	Constantin
17	13	Popescu	Constantin
18	14	Pacurar	Claudia
19	15	Oltean	Ioan-Danut
20	16	Marinescu	Andrei
21	17	Golovanov	Carmen
22	18	Darie	Emanuel
23	19	Cernat	Mihai
24	19	Cernat	Mihai
25	20	Bicu	Aida
26	21	Ardeleanu	Mircea
27	1	Laufer	Andreea
28	2	Tudorache	Andreea
29	3	Pop	Teodora
30	4	Popescu	Sorina
31	5	Lascu	Mihaela
32	5	Lascu	Mihaela
33	6	Dima	Denisa
34	7	Miclaus	Simona
35	7	Miclaus	Simona
36	8	Baltag	Octavian
37	8	Baltag	Octavian
38	9	Stanescu	Constantin
39	10	Voicu	Violeta
40	11	Vascan	Teodor
41	11	Vascan	Teodor

41	11	Vascan	Teodor
42	12	Titihazan	Viorel
43	13	Popescu	Constantin
44	14	Pacurar	Claudia
45	15	Oltean	Ioan-Danut
46	16	Marinescu	Andrei
47	17	Golovanov	Carmen
48	18	Darie	Emanuel
49	19	Cernat	Mihai
50	20	Bicu	Aida
51	21	Ardeleanu	Mircea

```sql
--86
SELECT Pasager.IDPasager,Pasager.Nume,Pasager.Varsta
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
where Bilet.Tip like 'I'
union all
select Pasager.IDPasager,Pasager.Nume,Pasager.Varsta
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
where Bilet.Pret>100
```

	IDPasager	Nume	Varsta
1	1	Dinca	25
2	3	Marienscu	33
3	4	Soare	22
4	5	Popescu	20
5	6	Ciusnel	45
6	7	Dicu	24
7	8	Calinescu	44
8	9	Zorlescu	55
9	10	Dinica	34
10	11	Patriciu	19
11	12	Secui	21
12	13	Bob	21
13	14	Peru	21
14	15	Ionescu	21

```sql
--87
SELECT Militar.IDMilitar,Militar.Nume+' '+Militar.Prenume
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join [Misiune] on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
where Misiune.Denumire like 'Alpha'
union all
SELECT Militar.IDMilitar,Militar.Nume+' '+Militar.Prenume
```

```sql
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join [Misiune] on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
where Misiune.Denumire like 'Betta'
```

	IDMilitar	(No column name)
1	3	Siciu Marian
2	10	Dumitrascu Andreea

```sql
--@@@@@ UPDATE @@@@@
--1. Actualizam varsta pasagerilor din avionul Airbus A200
UPDATE Pasager
set Pasager.Varsta=Pasager.Varsta+1
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
inner join Cursa on Cursa.IDCursa=Bilet.IDCursa
inner join Avion on Cursa.IDAvion=Avion.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where Marca like 'Airbus' and Model like 'A200'

--2.Actualizam numarul de telefon pentru militari din misiunea 'Betta' si
functia de pilot
UPDATE Militar
set NumarTelefon=40774092987
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
inner join FunctiiMilitari on FunctiiMilitari.IDMilitar=Militar.IDMilitar
inner join Functie on Functie.IDFunctie=FunctiiMilitari.IDFunctie
where Functie.Denumire like 'Pilot'

--3.Actualizam judetul pentru angajatii cu functia de copilot din firma
lufthansa
UPDATE [Angajat Civil]
set Judet='Cluj-Napoca'
from [Angajat Civil]
inner join [Firme Angajati Civili] on [Firme Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Firma Zbor] on [Firma Zbor].IDFirma_Zbor=[Firme Angajati
Civili].IDFirma_Zbor
inner join [Functii Angajati Civili] on [Functii Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Functie Civila] on [Functie Civila].IDFunctie=[Functii Angajati
Civili].IDFunctie
where [Firma Zbor].Denumire like 'Lufthansa' and [Functie Civila].[Denumire
Functie] like 'Copilot'
```

```sql
--4.Actualizam starea vremii din raport zbor unde misiunea este 'Alpha' si
tip 'militar de transport'
UPDATE [RaportM Zbor]
set StareVreme='buna'
from [RaportM Zbor]
inner join Misiune on Misiune.IDMisiune=[RaportM Zbor].IDMisiune
inner join Avion on Avion.IDAvion=Misiune.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where Misiune.Denumire like 'Alpha' and [MarcaModelTip Avion].Tip like
'militar de transport'
--5.Actualizam procentul combustibilului din informatii zbor pentru modele de
marca Airbus
update [Informatii Zbor]
set ProcentCombustibil=ProcentCombustibil+1
from [Informatii Zbor]
inner join Cursa on [Informatii Zbor].IDCursa=Cursa.IDCursa
inner join Avion on Avion.IDAvion=Cursa.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where [MarcaModelTip Avion].Marca like 'Airbus'
--6.Actualizam pretul biletelor pentru
update Bilet
set     Pret=Pret+5
from Bilet
inner join Cursa on Cursa.IDCursa=Bilet.IDCursa
inner join Avion on Avion.IDAvion=Cursa.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where Marca like 'Airbus'
--7.Actualizam Adresa militarilor cu functie de inginer si grad de locotenent
update Militar
set Adresa='Str. Soarelui,Nr 2'
from Militar
inner join FunctiiMilitari on FunctiiMilitari.IDMilitar=Militar.IDMilitar
inner join Functie on Functie.IDFunctie=FunctiiMilitari.IDFunctie
inner join GradeMilitari on GradeMilitari.IDMilitar=Militar.IDMilitar
inner join GradMilitar on GradMilitar.IDGrad=GradeMilitari.IDGrad
where GradMilitar.Denumire like 'Locotenent' and Functie.Denumire like
'Inginer'
--8.Actualizam denumirea unitatii militare din misiunea Betta si marca
'Airbus' a avionului
update [Unitate Militara]
set Denumire='UM40568'
from [Unitate Militara]
inner join Misiune on Misiune.IDUnitateMilitaraPlecare=[Unitate
Militara].IDUnitateMilitara
inner join Avion on Avion.IDAvion=Misiune.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where Marca like 'Airbus' and Misiune.Denumire like 'Betta'


--9.Actualizam procentul combustibilului pentru avioanele din marca 'Boeing'
update [Informatii Zbor]
set ProcentCombustibil=ProcentCombustibil-10
from [Informatii Zbor]
```

```sql
inner join Cursa on Cursa.IDCursa=[Informatii Zbor].IDCursa
inner join Avion on Avion.IDAvion=Cursa.IDCursa
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where Marca like 'Boeing'

--10.Actualizati datele personale ale militarilor sa apara cu "*" pentru cei
ce merg in misiunea Tiger
update Militar
set
CNP='*',Data_Nastere='*',Sex='*',Oras='*',Judet='*',Adresa='*',NumarTelefon='
*'
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
inner join GradeMilitari on GradeMilitari.IDMilitar=Militar.IDMilitar
inner join GradMilitar on GradMilitar.IDGrad=GradeMilitari.IDGrad
where Misiune.Denumire like 'Tiger' and GradMilitar.Denumire
in('Sublocotenent','Locotenent','Capitan','Maior','Locotenent-
Colonel','Colonel')

--11.
UPDATE Militar
set Judet='*',NumarTelefon='********'
from Militar
inner join FunctiiMilitari on FunctiiMilitari.IDMilitar=Militar.IDMilitar
inner join Functie on Functie.IDFunctie=FunctiiMilitari.IDFunctie
where Militar.CNP like '1%'

--12.
UPDATE Pasager
set Pasager.Varsta=Pasager.Varsta+5
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
inner join Cursa on Cursa.IDCursa=Bilet.IDCursa
inner join Avion on Cursa.IDAvion=Avion.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where Marca like 'Boeing'

--13.
update Bilet
set    Pret=Pret+100
from Bilet
inner join Cursa on Cursa.IDCursa=Bilet.IDCursa
inner join Avion on Avion.IDAvion=Cursa.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where Marca like 'Airbus' and Bilet.Tip like 'I'

--14.
UPDATE [RaportM Zbor]
set Locatia='Locatie Privata'
from [RaportM Zbor]
inner join Misiune on Misiune.IDMisiune=[RaportM Zbor].IDMisiune
```

```sql
inner join Avion on Avion.IDAvion=Misiune.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where Misiune.Denumire like 'Betta' and [MarcaModelTip Avion].Tip like
'militar de vanatoare'

--15.
UPDATE [Angajat Civil]
set NumarTelefon='Detaliu confidential'
from [Angajat Civil]
inner join [Firme Angajati Civili] on [Firme Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Firma Zbor] on [Firma Zbor].IDFirma_Zbor=[Firme Angajati
Civili].IDFirma_Zbor
inner join [Functii Angajati Civili] on [Functii Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Functie Civila] on [Functie Civila].IDFunctie=[Functii Angajati
Civili].IDFunctie
where [Firma Zbor].Denumire like 'Emirates' and [Functie Civila].[Denumire
Functie] like 'Pilot'

--@@@@@ DELETE @@@@@
--1.
--DELETE [MarcaModelTip Avion]
--FROM [MarcaModelTip Avion]
--inner join Avion on Avion.IDMMT=[MarcaModelTip Avion].IDMMT
--inner join Cursa on Cursa.IDAvion=Avion.IDAvion
--inner join Misiune on Avion.IDAvion=Misiune.IDAvion
--inner join Bilet on Bilet.IDCursa=Cursa.IDCursa
--inner join [AngajatiC per Cursa] on [AngajatiC per
Cursa].IDCursa=Cursa.IDCursa
--inner join [Informatii Zbor] on [Informatii Zbor].IDCursa=Cursa.IDCursa
--inner join [Militari per Misiune] on [Militari per
Misiune].IDMisiune=Misiune.IDMisiune
--inner join [RaportM Zbor] on [RaportM Zbor].IDMisiune=Misiune.IDMisiune
--inner join Pasager on Pasager.IDBilet=Bilet.IDBilet
--where [MarcaModelTip Avion].IDMMT=19

begin tran

select * from [MarcaModelTip Avion]

alter table Avion NOCHECK CONSTRAINT FK__Avion__IDMMT__35BCFE0A

DELETE [MarcaModelTip Avion]
FROM [MarcaModelTip Avion]
inner join Avion on Avion.IDMMT=[MarcaModelTip Avion].IDMMT
where [MarcaModelTip Avion].IDMMT=10

select * from [MarcaModelTip Avion]

rollback tran
```

Results Messages Client Statistics

	IDMMT	Marca	Model	Tip	CapacitateMaxima
1	1	Airbus	A220	civil	145
2	2	Airbus	A320	civil	195
3	3	Airbus	A330	civil	200
4	4	Airbus	A340	civil	380
5	5	Boeing	737NG	civil	400
6	6	Boeing	737MAX	civil	410
7	7	E-jet	E2	civil	150
8	8	Airbus	A400M	militar de transport	200
9	9	Antonov	An-225	militar de transport	300
10	10	Antonov	An-124	militar de transport	88
11	11	Boeing	737NG	militar de transport	6
12	12	Lockheed	C-5 Galaxy	militar de transport	7
13	13	Lockheed	C-130 Hercules	militar de transport	6
14	14	F-22	Raptor	militar de vanatoare	1
15	15	F-35	Lighting II	militar de vanatoare	1
16	16	F-18	Hornet	militar de vanatoare	1
17	17	Eurofighter	Typhoon	militar de vanatoare	1
18	18	Suhoi	SU-35	militar de vanatoare	1
19	19	Airbus	A600	militar de transport	300
20	20	Airbus	A336	civil	305

	IDMMT	Marca	Model	Tip	CapacitateMaxima
1	1	Airbus	A220	civil	145
2	2	Airbus	A320	civil	195
3	3	Airbus	A330	civil	200
4	4	Airbus	A340	civil	380
5	5	Boeing	737NG	civil	400
6	6	Boeing	737...	civil	410
7	7	E-jet	E2	civil	150
8	8	Airbus	A400M	mi...	200
9	9	Anto...	An-225	mi...	300
10	11	Boeing	737NG	mi...	6
11	12	Lock...	C-5 ...	mi...	7
12	13	Lock...	C-13...	mi...	6
13	14	F-22	Raptor	mi...	1
14	15	F-35	Lighti...	mi...	1
15	16	F-18	Hornet	mi...	1
16	17	Eurof...	Typh...	mi...	1
17	18	Suhoi	SU-35	mi...	1
18	19	Airbus	A600	mi...	300
19	20	Airbus	A336	civil	305

```sql
--2
begin tran

select * from Misiune

alter table [RaportM Zbor] NOCHECK CONSTRAINT [FK__RaportM
Z__IDMis__656C112C]
alter table [Militari per Misiune] NOCHECK CONSTRAINT [FK__Militari
__IDMis__628FA481]

DELETE Misiune
from Misiune
inner join [Militari per Misiune] on [Militari per
Misiune].IDMisiune=Misiune.IDMisiune
inner join Militar on Militar.IDMilitar=[Militari per Misiune].IDMilitar
inner join [RaportM Zbor] on [RaportM Zbor].IDMisiune=Misiune.IDMisiune
where [RaportM Zbor].StareVreme like 'precipitatii'

select * from Misiune

rollback tran
```

	IDMisiune	IDAvion	Denumire	DataPlecarii	DataSosirii	OraPlecarii	OraSosirii	IDUnitateMilitaraPlecare	IDUnitateMilitaraSosire
1	1	8	Alpha	2022-02-01	2022-02-01	15:00	21:00	1	6
2	2	9	Betta	2022-03-22	2022-03-23	21:00	01:30	2	7
3	3	10	Tetta	2022-04-23	2022-04-24	23:00	05:00	3	8
4	4	11	Coanda	2022-06-11	2022-06-11	03:00	09:00	4	9
5	5	12	General	2022-05-11	2022-05-11	14:00	15:00	5	10
6	6	13	Tiger	2022-11-12	2022-11-12	05:00	07:30	1	7
7	7	14	Scorpion	2022-07-01	2022-07-01	5:45	8:00	2	8
8	8	15	Vanatori	2022-02-01	2022-02-01	15:00	21:00	3	9
9	9	16	Sigma	2022-03-22	2022-03-23	21:00	01:30	4	10
10	10	17	Radu	2022-04-23	2022-04-24	23:00	05:00	1	8
11	11	18	Delta	2022-06-11	2022-06-11	03:00	09:00	2	10

	IDMisiune	IDAvion	Denumire	DataPlecarii	DataSosirii	OraPlecarii	OraSosirii	IDUnitateMilitaraPlecare	IDUnitateMilitaraSosire
1	1	8	Alpha	2022-02-01	2022-02-01	15:00	21:00	1	6
2	3	10	Tetta	2022-04-23	2022-04-24	23:00	05:00	3	8
3	4	11	Coanda	2022-06-11	2022-06-11	03:00	09:00	4	9
4	5	12	General	2022-05-11	2022-05-11	14:00	15:00	5	10
5	8	15	Vanatori	2022-02-01	2022-02-01	15:00	21:00	3	9
6	9	16	Sigma	2022-03-22	2022-03-23	21:00	01:30	4	10
7	10	17	Radu	2022-04-23	2022-04-24	23:00	05:00	1	8
8	11	18	Delta	2022-06-11	2022-06-11	03:00	09:00	2	10

```sql
--3
begin tran

select * from Militar

alter table FunctiiMilitari NOCHECK CONSTRAINT
[FK__FunctiiMi__IDMil__534D60F1]
alter table [Unitati Militare Militari] NOCHECK CONSTRAINT [FK__Unitati
M__IDMil__59063A47]
alter table [Militari per Misiune] NOCHECK CONSTRAINT [FK__Militari
__IDMil__619B8048]
alter table GradeMilitari NOCHECK CONSTRAINT [FK__GradeMili__IDMil__68487DD7]

DELETE Militar
FROM Militar
inner join FunctiiMilitari on FunctiiMilitari.IDMilitar=Militar.IDMilitar
inner join Functie on Functie.IDFunctie=FunctiiMilitari.IDFunctie
inner join [Unitati Militare Militari] on [Unitati Militare
Militari].IDMilitar=Militar.IDMilitar
inner join [Unitate Militara] on [Unitate
Militara].IDUnitateMilitara=[Unitati Militare Militari].IDUnitateMilitara
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
```

```sql
inner join GradeMilitari on GradeMilitari.IDMilitar=Militar.IDMilitar
inner join GradMilitar on GradMilitar.IDGrad=GradeMilitari.IDGrad
where DATEDIFF(year,Data_Nastere,getdate())>25

select * from Militar

rollback tran
```

	IDMilitar	Nume	Prenume	CNP	Data_Nastere	Sex	Oras	Judet	Adresa	NumarTelefon
1	3	Siciu	Marian	1980416449064	1998-04-16	masculin	Sector 4	Bucuresti	Str. Emanuel, nr.1	40727371164
2	10	Dumitrascu	Andreea	6020110354354	2002-01-10	feminin	Timisoara	Timis	Str. Flori, nr.1	40731199768
3	13	Demen	Erik	1970626412638	1997-06-26	masculin	Sector 1	Bucuresti	Str. Andrei, nr.45	40752343465
4	14	Ciusnel	Ciprian	5010428275311	2001-04-28	masculin	Roman	Neamt	Str. Pil, nr.6	40722690293
5	15	Predescu	Valeriu	1990303264328	1999-03-03	masculin	Reghin	Mures	Str. Eugen, nr.7	40744764183
6	16	Horea	Tudor	1980122336060	1998-01-22	masculin	Falticeni	Suceava	Str. Jon, nr.44	40744764183
7	17	Enache	Ciprian	1750416779064	1975-04-16	masculin	Bals	Olt	Str. Principala, nr.5	40786091987
8	18	Sica	Marian	1700416779064	1970-04-16	masculin	Reghin	Mures	Str. Fan,Nr.66	40799091987
9	19	Epureanu	Sandel	1720416779064	1972-04-16	masculin	Praid	Harghita	Str. Secund, nr.1	40774092987

	IDMilitar	Nume	Prenume	CNP	Data_Nastere	Sex	Oras	Judet	Adresa	NumarTelefon
1	3	Siciu	Marian	1980416449064	1998-04-16	masculin	Sector 4	Bucuresti	Str. Emanuel, nr.1	40727371164
2	10	Dumitrascu	Andreea	6020110354354	2002-01-10	feminin	Timisoara	Timis	Str. Flori, nr.1	40731199768
3	13	Demen	Erik	1970626412638	1997-06-26	masculin	Sector 1	Bucuresti	Str. Andrei, nr.45	40752343465
4	14	Ciusnel	Ciprian	5010428275311	2001-04-28	masculin	Roman	Neamt	Str. Pil, nr.6	40722690293
5	15	Predescu	Valeriu	1990303264328	1999-03-03	masculin	Reghin	Mures	Str. Eugen, nr.7	40744764183
6	16	Horea	Tudor	1980122336060	1998-01-22	masculin	Falticeni	Suceava	Str. Jon, nr.44	40744764183
7	17	Enache	Ciprian	1750416779064	1975-04-16	masculin	Bals	Olt	Str. Principala, nr.5	40786091987
8	18	Sica	Marian	1700416779064	1970-04-16	masculin	Reghin	Mures	Str. Fan,Nr.66	40799091987
9	19	Epureanu	Sandel	1720416779064	1972-04-16	masculin	Praid	Harghita	Str. Secund, nr.1	40774092987

```sql
--4
begin tran

select * from [Angajat Civil]

alter table [Functii Angajati Civili] NOCHECK CONSTRAINT [FK__Functii
A__IDAng__286302EC]
alter table [Firme Angajati Civili] NOCHECK CONSTRAINT [FK__Firme
Ang__IDAng__2E1BDC42]
alter table [AngajatiC per Cursa] NOCHECK CONSTRAINT
[FK__AngajatiC__IDAng__440B1D61]

DELETE [Angajat Civil]
FROM [Angajat Civil]
inner join [Functii Angajati Civili] on [Functii Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Firme Angajati Civili] on [Firme Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [AngajatiC per Cursa] on [AngajatiC per
Cursa].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
where [Angajat Civil].Nume like 'P%'

select * from [Angajat Civil]
```

```sql
rollback tran
```

	IDAngajat_Civil	Nume	Prenume	CNP	Data_Nastere	Sex	Oras	Judet	Adresa	NumarTelefon
1	1	Laufer	Andreea	6030726055143	2003-07-26	feminin	Slatioara	Olt	Str.Manastirii,nr.66	40774383514
2	2	Tudorache	Andreea	2931015173920	1993-10-15	feminin	Tecuci	Galati	Str.Tecui,nr.24	40774383392
3	3	Pop	Teodora	2950809079724	1995-08-09	feminin	Slatina	Olt	Str.Banului,nr.77	40774383972
4	4	Popescu	Sorina	2920204213809	1992-02-04	feminin	Slobozia	Ialomita	Str.Ploii,nr.1	40799383666
5	5	Lascu	Mihaela	2890713114680	1989-07-13	feminin	Resita	Caras-Severin	Str.Primaverii,nr.3	40799383380
6	6	Dima	Denisa	6010306525961	2001-03-06	feminin	Giurgiu	Giurgiu	Str.Soarelui,nr.1	40799383596
7	7	Miclaus	Simona	2880107118405	1988-01-07	feminin	Resita	Caras-Severin	Str.Primaverii,nr.1	40799383840
8	8	Baltag	Octavian	1950612362469	1995-06-12	masculin	Macin	Tulcea	Str.Rasarit,nr.17	40799333246
9	9	Stanescu	Constantin	1970705027441	1997-07-05	masculin	Lipova	Arad	Str.Mineri,nr.1	40799033744
10	10	Voicu	Violeta	2990413353641	1999-04-13	feminin	Buzias	Timis	Str.Tudor,nr.2	40799032364
11	11	Vascan	Teodor	1891203401820	1989-12-03	masculin	Sect.1	Bucuresti	Str.Higa,nr.1	40799032182
12	12	Titihazan	Viorel	1880404284957	1988-04-04	masculin	Craiova	Dolj	Str.Universitatii,nr.2	40799032495
13	13	Popescu	Constantin	1890320452314	1989-03-20	masculin	Slatina	Olt	Str.Muncii,nr.1	40774032111
14	14	Pacurar	Claudia	2870825085505	1987-08-25	feminin	Sacele	Brasov	Str.Livezii,nr.1	40774032550
15	15	Oltean	Ioan-Danut	1900421246541	1990-04-21	masculin	Baia Mare	Maramures	Str.Toamnei,nr.4	40774032654
16	16	Marinescu	Andrei	1970215466251	1997-02-15	masculin	Sect.6	Bucuresti	Str.General Praporgescu,nr.2	40766032625
17	17	Golovanov	Carmen	2980612191677	1998-06-12	feminin	Caracal	Olt	Str.Manastirii,nr.1	40766042167
18	18	Darie	Emanuel	1990801399297	1999-08-01	masculin	Focsani	Vrancea	Str.Libertatii,nr.2	40766022929
19	19	Cernat	Mihai	1900208260300	1990-02-08	masculin	Reghin	Mures	Str.Aiud,nr.33	40774022030
20	20	Bicu	Aida	6020430433856	2002-04-30	feminin	Sect.3	Bucuresti	Str.Muncii,nr.1	40774092385
21	21	Ardeleanu	Mircea	1910911195016	1991-09-11	masculin	Borsec	Harghita	Str.Primaverii,nr.14	40765092501

	IDAngajat_Civil	Nume	Prenume	CNP	Data_Nastere	Sex	Oras	Judet	Adresa	NumarTelefon
1	1	Laufer	Andreea	6030726055143	2003-07-26	feminin	Slatioara	Olt	Str.Manastirii,nr.66	40774383514
2	2	Tudorache	Andreea	2931015173920	1993-10-15	feminin	Tecuci	Galati	Str.Tecui,nr.24	40774383392
3	5	Lascu	Mihaela	2890713114680	1989-07-13	feminin	Resita	Caras-Severin	Str.Primaverii,nr.3	40799383380
4	6	Dima	Denisa	6010306525961	2001-03-06	feminin	Giurgiu	Giurgiu	Str.Soarelui,nr.1	40799383596
5	7	Miclaus	Simona	2880107118405	1988-01-07	feminin	Resita	Caras-Severin	Str.Primaverii,nr.1	40799383840
6	8	Baltag	Octavian	1950612362469	1995-06-12	masculin	Macin	Tulcea	Str.Rasarit,nr.17	40799333246
7	9	Stanescu	Constantin	1970705027441	1997-07-05	masculin	Lipova	Arad	Str.Mineri,nr.1	40799033744
8	10	Voicu	Violeta	2990413353641	1999-04-13	feminin	Buzias	Timis	Str.Tudor,nr.2	40799032364
9	11	Vascan	Teodor	1891203401820	1989-12-03	masculin	Sect.1	Bucuresti	Str.Higa,nr.1	40799032182
10	12	Titihazan	Viorel	1880404284957	1988-04-04	masculin	Craiova	Dolj	Str.Universitatii,nr.2	40799032495
11	15	Oltean	Ioan-Danut	1900421246541	1990-04-21	masculin	Baia Mare	Maramures	Str.Toamnei,nr.4	40774032654
12	16	Marinescu	Andrei	1970215466251	1997-02-15	masculin	Sect.6	Bucuresti	Str.General Praporgescu,nr.2	40766032625
13	17	Golovanov	Carmen	2980612191677	1998-06-12	feminin	Caracal	Olt	Str.Manastirii,nr.1	40766042167
14	18	Darie	Emanuel	1990801399297	1999-08-01	masculin	Focsani	Vrancea	Str.Libertatii,nr.2	40766022929
15	19	Cernat	Mihai	1900208260300	1990-02-08	masculin	Reghin	Mures	Str.Aiud,nr.33	40774022030
16	20	Bicu	Aida	6020430433856	2002-04-30	feminin	Sect.3	Bucuresti	Str.Muncii,nr.1	40774092385
17	21	Ardeleanu	Mircea	1910911195016	1991-09-11	masculin	Borsec	Harghita	Str.Primaverii,nr.14	40765092501

```sql
--5
begin tran

select * from Aeroport

alter table [Cursa] NOCHECK CONSTRAINT [FK__Cursa__IDAeropor__3A81B327]

DELETE Aeroport
FROM Aeroport
inner join Cursa on Cursa.IDAeroportPlecare=IDAeroport and
cursa.IDAeroportSosire=IDAeroport
inner join Avion on Avion.IDAvion=Cursa.IDAvion
inner join Bilet on Bilet.IDCursa=Cursa.IDCursa
where Aeroport.Tara like 'Franta'

select * from Aeroport
```

```sql
rollback tran
```

	IDAeroport	Denumire	Oras	Tara
1	1	Aeroportul internationa "Henri Coanda"	Bucuresti	Romania
2	2	Aeroportul internationa "Avram Iancu"	Cluj-Napoca	Romania
3	3	Aeroportul internationa Craiova	Craiova	Romania
4	4	Aeroportul internationa "Traian Vuia"	Timisoara	Romania
5	5	Aeroportul internationa Sibiu	Sibiu	Romania
6	6	Aeroportul internationa Arad	Arad	Romania
7	7	Aeroportul internationa "George Enescu"	Bacau	Romania
8	8	Aeroportul internationa Heathrow	Londra	Regatul Unit
9	9	Aeroportul internationa Frankfurt	Frankfurt am Main	Germania
10	10	Aeroportul international Miguel	Roissy-en-France	Franta

	IDAeroport	Denumire	Oras	Tara
1	1	Aeroportul internationa "Henri Coanda"	Bucuresti	Romania
2	2	Aeroportul internationa "Avram Iancu"	Cluj-Napoca	Romania
3	3	Aeroportul internationa Craiova	Craiova	Romania
4	4	Aeroportul internationa "Traian Vuia"	Timisoara	Romania
5	5	Aeroportul internationa Sibiu	Sibiu	Romania
6	6	Aeroportul internationa Arad	Arad	Romania
7	7	Aeroportul internationa "George Enes...	Bacau	Romania
8	8	Aeroportul internationa Heathrow	Londra	Regat...
9	9	Aeroportul internationa Frankfurt	Frankfurt ...	Germa...
10	10	Aeroportul international Miguel	Roissy-en-...	Franta

```sql
--6
begin tran

select * from Cursa

alter table [Bilet] NOCHECK CONSTRAINT [FK__Bilet__IDCursa__3D5E1FD2]
alter table [AngajatiC per Cursa] NOCHECK CONSTRAINT
[FK__AngajatiC__IDCur__44FF419A]
alter table [Informatii Zbor] NOCHECK CONSTRAINT
[FK__Informati__IDCur__47DBAE45]




DELETE Cursa
FROM Cursa
inner join Avion on Avion.IDAvion=Cursa.IDAvion
```

```sql
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=avion.IDMMT
inner join Bilet on Bilet.IDCursa=Cursa.IDCursa
where [MarcaModelTip Avion].Marca like 'Boeing'

select * from Cursa

rollback tran
```

	IDCursa	IDAvion	DataPlecarii	DataSosirii	OraPlecarii	OraSosirii	IDAeroportPlecare	IDAeroportSosire
1	1	1	2022-02-01	2022-02-01	15:00	21:00	1	9
2	2	2	2022-03-22	2022-03-23	21:00	01:30	2	10
3	3	3	2022-04-23	2022-04-24	23:00	05:00	3	8
4	4	4	2022-06-11	2022-06-11	03:00	09:00	4	9
5	5	5	2022-05-11	2022-05-11	14:00	15:00	5	1
6	6	6	2022-11-12	2022-11-12	05:00	07:30	6	1
7	7	7	2022-07-01	2022-07-01	5:45	8:00	7	1

	IDCursa	IDAvion	DataPlecarii	DataSosirii	OraPlecarii	OraSosirii	IDAeroportPlecare	IDAeroportSosire
1	1	1	2022-02-01	2022-02-01	15:00	21:00	1	9
2	2	2	2022-03-22	2022-03-23	21:00	01:30	2	10
3	3	3	2022-04-23	2022-04-24	23:00	05:00	3	8
4	4	4	2022-06-11	2022-06-11	03:00	09:00	4	9
5	5	5	2022-05-11	2022-05-11	14:00	15:00	5	1

```sql
--7
begin tran

select * from Cursa

alter table [Bilet] NOCHECK CONSTRAINT [FK__Bilet__IDCursa__3D5E1FD2]
alter table [AngajatiC per Cursa] NOCHECK CONSTRAINT
[FK__AngajatiC__IDCur__44FF419A]
alter table [Informatii Zbor] NOCHECK CONSTRAINT
[FK__Informati__IDCur__47DBAE45]

DELETE Cursa
FROM Cursa
inner join Aeroport on Cursa.IDAeroportPlecare=Aeroport.IDAeroport
inner join Avion on Avion.IDAvion=Cursa.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where [MarcaModelTip Avion].Marca like 'Boeing' and Aeroport.Tara like
'Romania'

select * from Cursa

rollback tran
```

	IDCursa	IDAvion	DataPlecarii	DataSosirii	OraPlecarii	OraSosirii	IDAeroportPlecare	IDAeroportSosire
1	1	1	2022-02-01	2022-02-01	15:00	21:00	1	9
2	2	2	2022-03-22	2022-03-23	21:00	01:30	2	10
3	3	3	2022-04-23	2022-04-24	23:00	05:00	3	8
4	4	4	2022-06-11	2022-06-11	03:00	09:00	4	9
5	5	5	2022-05-11	2022-05-11	14:00	15:00	5	1
6	6	6	2022-11-12	2022-11-12	05:00	07:30	6	1
7	7	7	2022-07-01	2022-07-01	5:45	8:00	7	1

	IDCursa	IDAvion	DataPlecarii	DataSosirii	OraPlecarii	OraSosirii	IDAeroportPlecare	IDAeroportSosire
1	1	1	2022-02-01	2022-02-01	15:00	21:00	1	9
2	2	2	2022-03-22	2022-03-23	21:00	01:30	2	10
3	3	3	2022-04-23	2022-04-24	23:00	05:00	3	8
4	4	4	2022-06-11	2022-06-11	03:00	09:00	4	9
5	5	5	2022-05-11	2022-05-11	14:00	15:00	5	1

```sql
--8
begin tran

select * from [Angajat Civil]

alter table [Functii Angajati Civili] NOCHECK CONSTRAINT [FK__Functii
A__IDAng__286302EC]
alter table [Firme Angajati Civili] NOCHECK CONSTRAINT [FK__Firme
Ang__IDAng__2E1BDC42]
alter table [AngajatiC per Cursa] NOCHECK CONSTRAINT
[FK__AngajatiC__IDAng__440B1D61]

DELETE [Angajat Civil]
FROM [Angajat Civil]
inner join [Functii Angajati Civili] on [Functii Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Firme Angajati Civili] on [Firme Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Firma Zbor] on [Firma Zbor].IDFirma_Zbor=[Firme Angajati
Civili].IDFirma_Zbor
inner join [AngajatiC per Cursa] on [AngajatiC per
Cursa].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
where [Angajat Civil].Nume like 'T%' and [Firma Zbor].Denumire like
'Lufthansa'

select * from [Angajat Civil]

rollback tran
```

	IDAngajat_Civil	Nume	Prenume	CNP	Data_Nastere	Sex	Oras	Judet	Adresa	NumarTelefon
1	1	Laufer	Andreea	6030726055143	2003-07-26	feminin	Slatioara	Olt	Str.Manastirii,nr.66	40774383514
2	2	Tudorache	Andreea	2931015173920	1993-10-15	feminin	Tecuci	Galati	Str.Tecui,nr.24	40774383392
3	3	Pop	Teodora	2950809079724	1995-08-09	feminin	Slatina	Olt	Str.Banului,nr.77	40774383972
4	4	Popescu	Sorina	2920204213809	1992-02-04	feminin	Slobozia	Ialomita	Str.Ploii,nr.1	40799383666
5	5	Lascu	Mihaela	2890713114680	1989-07-13	feminin	Resita	Caras-Severin	Str.Primaverii,nr.3	40799383380
6	6	Dima	Denisa	6010306525961	2001-03-06	feminin	Giurgiu	Giurgiu	Str.Soarelui,nr.1	40799383596
7	7	Miclaus	Simona	2880107118405	1988-01-07	feminin	Resita	Caras-Severin	Str.Primaverii,nr.1	40799383840
8	8	Baltag	Octavian	1950612362469	1995-06-12	masculin	Macin	Tulcea	Str.Rasarit,nr.17	40799333246
9	9	Stanescu	Constantin	1970705027441	1997-07-05	masculin	Lipova	Arad	Str.Mineri,nr.1	40799033744
10	10	Voicu	Violeta	2990413353641	1999-04-13	feminin	Buzias	Timis	Str.Tudor,nr.2	40799032364
11	11	Vascan	Teodor	1891203401820	1989-12-03	masculin	Sect.1	Bucuresti	Str.Higa,nr.1	40799032182
12	12	Titihazan	Viorel	1880404284957	1988-04-04	masculin	Craiova	Dolj	Str.Universitatii,nr.2	40799032495
13	13	Popescu	Constantin	1890320452314	1989-03-20	masculin	Slatina	Olt	Str.Muncii,nr.1	40774032111
14	14	Pacurar	Claudia	2870825085505	1987-08-25	feminin	Sacele	Brasov	Str.Livezii,nr.1	40774032550
15	15	Oltean	Ioan-Danut	1900421246541	1990-04-21	masculin	Baia Mare	Maramures	Str.Toamnei,nr.4	40774032654
16	16	Marinescu	Andrei	1970215466251	1997-02-15	masculin	Sect.6	Bucuresti	Str.General Prap...	40766032625
17	17	Golovanov	Carmen	2980612191677	1998-06-12	feminin	Caracal	Olt	Str.Manastirii,nr.1	40766042167
18	18	Darie	Emanuel	1990801399297	1999-08-01	masculin	Focsani	Vrancea	Str.Libertatii,nr.2	40766022929
19	19	Cernat	Mihai	1900208260300	1990-02-08	masculin	Reghin	Mures	Str.Aiud,nr.33	40774022030
20	20	Bicu	Aida	6020430433856	2002-04-30	feminin	Sect.3	Bucuresti	Str.Muncii,nr.1	40774092385
21	21	Ardeleanu	Mircea	1910911195016	1991-09-11	masculin	Borsec	Harghita	Str.Primaverii,nr.14	40765092501

	IDAngajat_Civil	Nume	Prenume	CNP	Data_Nastere	Sex	Oras	Judet	Adresa	NumarTelefon
1	1	Laufer	Andreea	6030726055143	2003-07-26	feminin	Slatioara	Olt	Str.Manastirii,nr.66	40774383514
2	2	Tudorache	Andreea	2931015173920	1993-10-15	feminin	Tecuci	Galati	Str.Tecui,nr.24	40774383392
3	3	Pop	Teodora	2950809079724	1995-08-09	feminin	Slatina	Olt	Str.Banului,nr.77	40774383972
4	4	Popescu	Sorina	2920204213809	1992-02-04	feminin	Slobozia	Ialomita	Str.Ploii,nr.1	40799383666
5	5	Lascu	Mihaela	2890713114680	1989-07-13	feminin	Resita	Caras...	Str.Primaverii,nr.3	40799383380
6	6	Dima	Denisa	6010306525961	2001-03-06	feminin	Giurgiu	Giurgiu	Str.Soarelui,nr.1	40799383596
7	7	Miclaus	Simona	2880107118405	1988-01-07	feminin	Resita	Caras...	Str.Primaverii,nr.1	40799383840
8	8	Baltag	Octavian	1950612362469	1995-06-12	masc...	Macin	Tulcea	Str.Rasarit,nr.17	40799333246
9	9	Stanescu	Consta...	1970705027441	1997-07-05	masc...	Lipova	Arad	Str.Mineri,nr.1	40799033744
10	10	Voicu	Violeta	2990413353641	1999-04-13	feminin	Buzias	Timis	Str.Tudor,nr.2	40799032364
11	11	Vascan	Teodor	1891203401820	1989-12-03	masc...	Sect.1	Bucur...	Str.Higa,nr.1	40799032182
12	12	Titihazan	Viorel	1880404284957	1988-04-04	masc...	Craiova	Dolj	Str.Universitatii,n...	40799032495
13	13	Popescu	Consta...	1890320452314	1989-03-20	masc...	Slatina	Olt	Str.Muncii,nr.1	40774032111
14	14	Pacurar	Claudia	2870825085505	1987-08-25	feminin	Sacele	Brasov	Str.Livezii,nr.1	40774032550
15	15	Oltean	Ioan-D...	1900421246541	1990-04-21	masc...	Baia M...	Mara...	Str.Toamnei,nr.4	40774032654
16	16	Marinescu	Andrei	1970215466251	1997-02-15	masc...	Sect.6	Bucur...	Str.General Prap...	40766032625
17	17	Golovanov	Carmen	2980612191677	1998-06-12	feminin	Caracal	Olt	Str.Manastirii,nr.1	40766042167
18	18	Darie	Emanuel	1990801399297	1999-08-01	masc...	Focsani	Vranc...	Str.Libertatii,nr.2	40766022929
19	19	Cernat	Mihai	1900208260300	1990-02-08	masc...	Reghin	Mures	Str.Aiud,nr.33	40774022030
20	20	Bicu	Aida	6020430433856	2002-04-30	feminin	Sect.3	Bucur...	Str.Muncii,nr.1	40774092385
21	21	Ardeleanu	Mircea	1910911195016	1991-09-11	masc...	Borsec	Harg...	Str.Primaverii,nr.14	40765092501

```
--9
begin tran

select * from Misiune

alter table [RaportM Zbor] NOCHECK CONSTRAINT [FK__RaportM
Z__IDMis__656C112C]
alter table [Militari per Misiune] NOCHECK CONSTRAINT [FK__Militari
__IDMis__628FA481]

DELETE Misiune
```

```sql
from Misiune
inner join [Militari per Misiune] on [Militari per
Misiune].IDMisiune=Misiune.IDMisiune
inner join Militar on Militar.IDMilitar=[Militari per Misiune].IDMilitar
inner join [RaportM Zbor] on [RaportM Zbor].IDMisiune=Misiune.IDMisiune
inner join Avion on Avion.IDAvion=Misiune.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where [RaportM Zbor].StareVreme like 'buna' and [MarcaModelTip
Avion].CapacitateMaxima<200

select * from Misiune

rollback tran
```

Results | Messages | Client Statistics

	IDMisiune	IDAvion	Denumire	DataPlecarii	DataSosirii	OraPlecarii	OraSosirii	IDUnitateMilitaraPlecare	IDUnitateMilitaraSosire
1	1	8	Alpha	2022-02-01	2022-02-01	15:00	21:00	1	6
2	2	9	Betta	2022-03-22	2022-03-23	21:00	01:30	2	7
3	3	10	Tetta	2022-04-23	2022-04-24	23:00	05:00	3	8
4	4	11	Coanda	2022-06-11	2022-06-11	03:00	09:00	4	9
5	5	12	General	2022-05-11	2022-05-11	14:00	15:00	5	10
6	6	13	Tiger	2022-11-12	2022-11-12	05:00	07:30	1	7
7	7	14	Scorpion	2022-07-01	2022-07-01	5:45	8:00	2	8
8	8	15	Vanatori	2022-02-01	2022-02-01	15:00	21:00	3	9

	IDMisiune	IDAvion	Denumire	DataPlecarii	DataSosirii	OraPlecarii	OraSosirii	IDUnitateMilitaraPlecare	IDUnitateMilitaraSosire
1	1	8	Alpha	2022-02-01	2022-02-01	15:00	21:00	1	6
2	2	9	Betta	2022-03-22	2022-03-23	21:00	01:30	2	7
3	3	10	Tetta	2022-04-23	2022-04-24	23:00	05:00	3	8
4	4	11	Coanda	2022-06-11	2022-06-11	03:00	09:00	4	9
5	6	13	Tiger	2022-11-12	2022-11-12	05:00	07:30	1	7
6	7	14	Scorpion	2022-07-01	2022-07-01	5:45	8:00	2	8
7	8	15	Vanatori	2022-02-01	2022-02-01	15:00	21:00	3	9
8	9	16	Sigma	2022-03-22	2022-03-23	21:00	01:30	4	10
9	10	17	Radu	2022-04-23	2022-04-24	23:00	05:00	1	8
10	11	18	Delta	2022-06-11	2022-06-11	03:00	09:00	2	10

```sql
--10
begin tran

select * from Aeroport

alter table [Cursa] NOCHECK CONSTRAINT [FK__Cursa__IDAeropor__3A81B327]

DELETE Aeroport
FROM Aeroport
inner join Cursa on Cursa.IDAeroportPlecare=IDAeroport and
cursa.IDAeroportSosire=IDAeroport
inner join Avion on Avion.IDAvion=Cursa.IDAvion
inner join Bilet on Bilet.IDCursa=Cursa.IDCursa
where Aeroport.Tara like 'Romania' and Bilet.Tip like 'I'

select * from Aeroport

rollback tran
```

	IDAeroport	Denumire	Oras	Tara
1	1	Aeroportul internationa "Henri Coanda"	Bucuresti	Romania
2	2	Aeroportul internationa "Avram Iancu"	Cluj-Napoca	Romania
3	3	Aeroportul internationa Craiova	Craiova	Romania
4	4	Aeroportul internationa "Traian Vuia"	Timisoara	Romania
5	5	Aeroportul internationa Sibiu	Sibiu	Romania
6	6	Aeroportul internationa Arad	Arad	Romania
7	7	Aeroportul internationa "George Enescu"	Bacau	Romania
8	8	Aeroportul internationa Heathrow	Londra	Regatul Unit

	IDAeroport	Denumire	Oras	Tara
1	1	Aeroportul internationa "Henri Coanda"	Bucuresti	Romania
2	2	Aeroportul internationa "Avram Iancu"	Cluj-Napoca	Romania
3	3	Aeroportul internationa Craiova	Craiova	Romania
4	4	Aeroportul internationa "Traian Vuia"	Timisoara	Romania
5	5	Aeroportul internationa Sibiu	Sibiu	Romania
6	6	Aeroportul internationa Arad	Arad	Romania
7	7	Aeroportul internationa "George Enes...	Bacau	Romania
8	8	Aeroportul internationa Heathrow	Londra	Regat...
9	9	Aeroportul internationa Frankfurt	Frankfurt ...	Germa...
10	10	Aeroportul international Miguel	Roissy-en-...	Franta

```sql
--11.
begin tran

select * from Militar

alter table FunctiiMilitari NOCHECK CONSTRAINT
[FK__FunctiiMi__IDMil__534D60F1]
alter table [Unitati Militare Militari] NOCHECK CONSTRAINT [FK__Unitati
M__IDMil__59063A47]
alter table [Militari per Misiune] NOCHECK CONSTRAINT [FK__Militari
__IDMil__619B8048]
alter table GradeMilitari NOCHECK CONSTRAINT [FK__GradeMili__IDMil__68487DD7]

DELETE Militar
FROM Militar

inner join [Unitati Militare Militari] on [Unitati Militare
Militari].IDMilitar=Militar.IDMilitar
inner join [Unitate Militara] on [Unitate
Militara].IDUnitateMilitara=[Unitati Militare Militari].IDUnitateMilitara
inner join GradeMilitari on GradeMilitari.IDMilitar=Militar.IDMilitar
inner join GradMilitar on GradMilitar.IDGrad=GradeMilitari.IDGrad
where [Unitate Militara].Tara like 'Romania' and GradMilitar.Denumire
in('Sublocotent','Locotenent')
```

```sql
select * from Militar

rollback tran
```

	IDMilitar	Nume	Prenume	CNP	Data_Nastere	Sex	Oras	Judet	Adresa	NumarTelefon
1	3	Siciu	Marian	1980416449064	1998-04-16	masculin	Sector 4	Bucuresti	Str. Emanuel, nr.1	40727371164
2	10	Dumitrascu	Andreea	6020110354354	2002-01-10	feminin	Timisoara	Timis	Str. Flori, nr.1	40731199768
3	13	Demen	Erik	1970626412638	1997-06-26	masculin	Sector 1	Bucuresti	Str. Andrei, nr.45	40752343465
4	14	Ciusnel	Ciprian	5010428275311	2001-04-28	masculin	Roman	Neamt	Str. Pil, nr.6	40722690293
5	15	Predescu	Valeriu	1990303264328	1999-03-03	masculin	Reghin	Mures	Str. Eugen, nr.7	40744764183
6	16	Horea	Tudor	1980122336060	1998-01-22	masculin	Falticeni	Suceava	Str. Jon, nr.44	40744764183
7	17	Enache	Ciprian	1750416779064	1975-04-16	masculin	Bals	Olt	Str. Principala, nr.5	40786091987
8	18	Sica	Marian	1700416779064	1970-04-16	masculin	Reghin	Mures	Str. Fan,Nr.66	40799091987

	IDMilitar	Nume	Prenume	CNP	Data_Nastere	Sex	Oras	Judet	Adresa	NumarTelefon
1	3	Siciu	Marian	1980416449064	1998-04-16	masculin	Sector 4	Bucuresti	Str. Emanuel, nr.1	40727371164
2	10	Dumitrascu	Andreea	6020110354354	2002-01-10	feminin	Timisoara	Timis	Str. Flori, nr.1	40731199768
3	13	Demen	Erik	1970626412638	1997-06-26	masculin	Sector 1	Bucuresti	Str. Andrei, nr.45	40752343465
4	14	Ciusnel	Ciprian	5010428275311	2001-04-28	masculin	Roman	Neamt	Str. Pil, nr.6	40722690293
5	15	Predescu	Valeriu	1990303264328	1999-03-03	masculin	Reghin	Mures	Str. Eugen, nr.7	40744764183
6	17	Enache	Ciprian	1750416779064	1975-04-16	masculin	Bals	Olt	Str. Principala, ...	40786091987
7	18	Sica	Marian	1700416779064	1970-04-16	masculin	Reghin	Mures	Str. Fan,Nr.66	40799091987
8	19	Epureanu	Sandel	1720416779064	1972-04-16	masculin	Praid	Harghita	Str. Secund, nr.1	40774092987

```sql
--12.
begin tran

select * from [MarcaModelTip Avion]

DELETE [MarcaModelTip Avion]
FROM [MarcaModelTip Avion]
inner join Avion on Avion.IDMMT=[MarcaModelTip Avion].IDMMT
inner join Cursa on Cursa.IDAvion=Avion.IDAvion
inner join Bilet on Cursa.IDCursa=Bilet.IDCursa

where [MarcaModelTip Avion].CapacitateMaxima<100 and Bilet.Tip like 'Dus-
intors'

select * from [MarcaModelTip Avion]

rollback tran
```

	IDMMT	Marca	Model	Tip	CapacitateMaxima
1	1	Airbus	A220	civil	145
2	2	Airbus	A320	civil	195
3	3	Airbus	A330	civil	200
4	4	Airbus	A340	civil	380
5	5	Boeing	737NG	civil	400
6	6	Boeing	737MAX	civil	410
7	7	E-jet	E2	civil	150
8	8	Airbus	A400M	militar de transport	200

	IDMMT	Marca	Model	Tip	CapacitateMaxima
1	1	Airbus	A220	civil	145
2	2	Airbus	A320	civil	195
3	3	Airbus	A330	civil	200
4	4	Airbus	A340	civil	380
5	5	Boei...	737...	civil	400
6	6	Boei...	737...	civil	410
7	7	E-jet	E2	civil	150
8	8	Airbus	A40...	mi...	200
9	9	Anto...	An-...	mi...	300
10	10	Anto...	An-...	mi...	88
11	11	Boei...	737...	mi...	6
12	12	Loc...	C-5 ...	mi...	7
13	13	Loc...	C-1...	mi...	6
14	14	F-22	Rap...	mi...	1
15	15	F-35	Ligh...	mi...	1
16	16	F-18	Hor...	mi...	1
17	17	Euro...	Typ...	mi...	1
18	18	Suhoi	SU-35	mi...	1
19	19	Airbus	A600	mi...	300
20	20	Airbus	A336	civil	305

```sql
--13.
begin tran

select * from [Cursa]

alter table Bilet NOCHECK CONSTRAINT [FK__Bilet__IDCursa__3D5E1FD2]
alter table [AngajatiC per Cursa] NOCHECK CONSTRAINT
[FK__AngajatiC__IDCur__44FF419A]
alter table [Informatii Zbor] NOCHECK CONSTRAINT
[FK__Informati__IDCur__47DBAE45]

DELETE [Cursa]
FROM [Cursa]
inner join Bilet on Cursa.IDCursa=Bilet.IDCursa
where datediff(month,DataPlecarii,GETDATE())>1 and Bilet.Clasa like 'I'
```

```sql
select * from [Cursa]

rollback tran
```

	IDCursa	IDAvion	DataPlecarii	DataSosirii	OraPlecarii	OraSosirii	IDAeroportPlecare	IDAeroportSosire
1	1	1	2022-02-01	2022-02-01	15:00	21:00	1	9
2	2	2	2022-03-22	2022-03-23	21:00	01:30	2	10
3	3	3	2022-04-23	2022-04-24	23:00	05:00	3	8
4	4	4	2022-06-11	2022-06-11	03:00	09:00	4	9
5	5	5	2022-05-11	2022-05-11	14:00	15:00	5	1
6	6	6	2022-11-12	2022-11-12	05:00	07:30	6	1
7	7	7	2022-07-01	2022-07-01	5:45	8:00	7	1

	IDCursa	IDAvion	DataPlecarii	DataSosirii	OraPlecarii	OraSosirii	IDAeroportPlecare	IDAeroportSosire
1	3	3	2022-04-23	2022-04-24	23:00	05:00	3	8
2	4	4	2022-06-11	2022-06-11	03:00	09:00	4	9
3	5	5	2022-05-11	2022-05-11	14:00	15:00	5	1
4	6	6	2022-11-12	2022-11-12	05:00	07:30	6	1
5	7	7	2022-07-01	2022-07-01	5:45	8:00	7	1

```sql
--14.
begin tran

select * from [Unitate Militara]

alter table [Unitati Militare Militari] NOCHECK CONSTRAINT [FK__Unitati
M__IDUni__59FA5E80]
alter table Misiune NOCHECK CONSTRAINT [FK__Misiune__IDUnita__5DCAEF64]


DELETE [Unitate Militara]
FROM [Unitate Militara]
inner join [Unitati Militare Militari] on [Unitati Militare
Militari].IDUnitateMilitara=[Unitate Militara].IDUnitateMilitara
inner join Misiune on Misiune.IDUnitateMilitaraPlecare=[Unitate
Militara].IDUnitateMilitara and Misiune.IDUnitateMilitaraSosire=[Unitate
Militara].IDUnitateMilitara

where [Unitate Militara].Tara like 'Romania'

select * from [Unitate Militara]

rollback tran
```

	IDUnitateMilitara	Denumire	Oras	Tara
1	1	Escadrila 142 Cercetare		Romania
2	2	UM40568		Romania
3	3	Flotila 71 Aeriana		Romania
4	4	Flotila 86 Aeriana		Romania
5	5	Flotila 90 Transport Aerian		Romania
6	6	Baza aeriana 105 Évreux-Fauville	Eure	Franta
7	7	Baza aeriana 106 Bordeaux-Mérignac	Bordeaux	Franta
8	8	Baza Aeriana Nörvenich	Nörvenich	Germania

	IDUnitateMilitara	Denumire	Oras	Tara
1	1	Escadrila 142 Cercetare		Romania
2	2	UM40568		Romania
3	3	Flotila 71 Aeriana		Romania
4	4	Flotila 86 Aeriana		Romania
5	5	Flotila 90 Transport A...		Romania
6	6	Baza aeriana 105 Évr...	Eure	Franta
7	7	Baza aeriana 106 Bor...	Bo...	Franta
8	8	Baza Aeriana Nörveni...	Nö...	Germa...
9	9	Tactical Air Force Win...	Wi...	Germa...
10	10	Tactical Air Force Win...	La...	Germa...

```
--15.
begin tran

select * from Militar

alter table FunctiiMilitari NOCHECK CONSTRAINT
[FK__FunctiiMi__IDMil__534D60F1]
alter table [Unitati Militare Militari] NOCHECK CONSTRAINT [FK__Unitati
M__IDMil__59063A47]
alter table [Militari per Misiune] NOCHECK CONSTRAINT [FK__Militari
__IDMil__619B8048]
alter table GradeMilitari NOCHECK CONSTRAINT [FK__GradeMili__IDMil__68487DD7]

DELETE Militar
FROM Militar
inner join FunctiiMilitari on FunctiiMilitari.IDMilitar=Militar.IDMilitar
inner join Functie on Functie.IDFunctie=FunctiiMilitari.IDFunctie
inner join [Unitati Militare Militari] on [Unitati Militare
Militari].IDMilitar=Militar.IDMilitar
inner join [Unitate Militara] on [Unitate
Militara].IDUnitateMilitara=[Unitati Militare Militari].IDUnitateMilitara
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
inner join GradeMilitari on GradeMilitari.IDMilitar=Militar.IDMilitar
inner join GradMilitar on GradMilitar.IDGrad=GradeMilitari.IDGrad
```

```sql
where Functie.Denumire like 'Pilot' and Misiune.Denumire like 'Alpha' and
GradMilitar.Denumire like 'Locotenent'

select * from Militar

rollback tran
```

	IDMilitar	Nume	Prenume	CNP	Data_Nastere	Sex	Oras	Judet	Adresa	NumarTelefon
1	3	Siciu	Marian	1980416449064	1998-04-16	masculin	Sector 4	Bucuresti	Str. Emanuel, nr.1	40727371164
2	10	Dumitrascu	Andreea	6020110354354	2002-01-10	feminin	Timisoara	Timis	Str. Flori, nr.1	40731199768
3	13	Demen	Erik	1970626412638	1997-06-26	masculin	Sector 1	Bucuresti	Str. Andrei, nr.45	40752343465
4	14	Ciusnel	Ciprian	5010428275311	2001-04-28	masculin	Roman	Neamt	Str. Pil, nr.6	40722690293
5	15	Predescu	Valeriu	1990303264328	1999-03-03	masculin	Reghin	Mures	Str. Eugen, nr.7	40744764183
6	16	Horea	Tudor	1980122336060	1998-01-22	masculin	Falticeni	Suceava	Str. Jon, nr.44	40744764183
7	17	Enache	Ciprian	1750416779064	1975-04-16	masculin	Bals	Olt	Str. Principala, nr.5	40786091987
8	18	Sica	Marian	1700416779064	1970-04-16	masculin	Reghin	Mures	Str. Fan,Nr.66	40799091987
9	19	Epureanu	Sandel	1720416779064	1972-04-16	masculin	Praid	Harghita	Str. Secund, nr.1	40774092987

	IDMilitar	Nume	Prenume	CNP	Data_Nastere	Sex	Oras	Judet	Adresa	NumarTelefon
1	3	Siciu	Marian	1980416449064	1998-04-16	masculin	Sector 4	Bucuresti	Str. Emanuel, nr.1	40727371164
2	10	Dumitrascu	Andreea	6020110354354	2002-01-10	feminin	Timisoara	Timis	Str. Flori, nr.1	40731199768
3	13	Demen	Erik	1970626412638	1997-06-26	masculin	Sector 1	Bucuresti	Str. Andrei, nr.45	40752343465
4	14	Ciusnel	Ciprian	5010428275311	2001-04-28	masculin	Roman	Neamt	Str. Pil, nr.6	40722690293
5	15	Predescu	Valeriu	1990303264328	1999-03-03	masculin	Reghin	Mures	Str. Eugen, nr.7	40744764183
6	16	Horea	Tudor	1980122336060	1998-01-22	masculin	Falticeni	Suceava	Str. Jon, nr.44	40744764183
7	17	Enache	Ciprian	1750416779064	1975-04-16	masculin	Bals	Olt	Str. Principala, ...	40786091987
8	18	Sica	Marian	1700416779064	1970-04-16	masculin	Reghin	Mures	Str. Fan,Nr.66	40799091987
9	19	Epureanu	Sandel	1720416779064	1972-04-16	masculin	Praid	Harghita	Str. Secund, nr.1	40774092987

```sql
--@@@@@@@@@ VIEWS @@@@@@@@@

--1.Sa se creeze un view cu pasagerii care au bilet. Sa se afiseze CNP-ul si
numele angajatilor din avion , data cursei , modelul si marca avionului ,
informatii despre zbor
IF OBJECT_ID('View1','V') is not null
        drop view View1
go
CREATE VIEW View1
AS
SELECT Pasager.Nume +' '+ Pasager.Prenume as NumePasager,
Aeroport.Tara, [Angajat Civil].Nume, [Angajat Civil].Prenume, [Angajat
Civil].CNP, Cursa.DataPlecarii, [MarcaModelTip Avion].Marca, [MarcaModelTip
Avion].Model, [Informatii Zbor].Locatia, [Informatii Zbor].Ora, [Informatii
Zbor].ProcentCombustibil, [Informatii Zbor].ProcentDistanta, [Informatii
Zbor].StareVreme
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
inner join Cursa on Cursa.IDCursa=Bilet.IDCursa
```

```sql
inner join [AngajatiC per Cursa] on [AngajatiC per
Cursa].IDCursa=Bilet.IDCursa
inner join [Angajat Civil] on [Angajat Civil].IDAngajat_Civil=[AngajatiC per
Cursa].IDAngajat_Civil
inner join Aeroport on Aeroport.IDAeroport=Cursa.IDAeroportSosire
inner join Avion on Avion.IDAvion=Cursa.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
inner join [Informatii Zbor] on [Informatii Zbor].IDCursa=Cursa.IDCursa

SELECT * from View1
```

	NumePasager	Tara	Nume	Prenume	CNP	DataPlecarii	Marca	Model	Locatia	Ora	ProcentCombustibil	ProcentDistanta	StareVreme
1	Dinca Andrei	Germania	Laufer	Andreea	6030726055143	2022-02-01	Airbus	A220	Polonia	17:00	70	45	noros
2	Calinescu Marina	Germania	Laufer	Andreea	6030726055143	2022-02-01	Airbus	A220	Polonia	17:00	70	45	noros
3	Ionescu Eugen	Germania	Laufer	Andreea	6030726055143	2022-02-01	Airbus	A220	Polonia	17:00	70	45	noros
4	Dinca Andrei	Germania	Laufer	Andreea	6030726055143	2022-02-01	Airbus	A220	Germania	19:00	40	80	buna
5	Calinescu Marina	Germania	Laufer	Andreea	6030726055143	2022-02-01	Airbus	A220	Germania	19:00	40	80	buna
6	Ionescu Eugen	Germania	Laufer	Andreea	6030726055143	2022-02-01	Airbus	A220	Germania	19:00	40	80	buna
7	Florescu Maria	Franta	Tudorache	Andreea	2931015173920	2022-03-22	Airbus	A220	Belgia	1:00	30	80	buna
8	Zorlescu George	Franta	Tudorache	Andreea	2931015173920	2022-03-22	Airbus	A220	Belgia	1:00	30	80	buna
9	Florescu Maria	Franta	Tudorache	Andreea	2931015173920	2022-03-22	Airbus	A220	Franta	1:30	20	95	noros
10	Zorlescu George	Franta	Tudorache	Andreea	2931015173920	2022-03-22	Airbus	A220	Franta	1:30	20	95	noros
11	Marienscu Cosmin	Regatul Unit	Pop	Teodora	2950809079724	2022-04-23	Airbus	A320	Olanda	00:00	45	25	noros
12	Dinica Gheorghe	Regatul Unit	Pop	Teodora	2950809079724	2022-04-23	Airbus	A320	Olanda	00:00	45	25	noros
13	Marienscu Cosmin	Regatul Unit	Pop	Teodora	2950809079724	2022-04-23	Airbus	A320	Londra	4:45	30	89	precipitatii...
14	Dinica Gheorghe	Regatul Unit	Pop	Teodora	2950809079724	2022-04-23	Airbus	A320	Londra	4:45	30	89	precipitatii...
15	Soare Sorin	Germania	Popescu	Sorina	2920204213809	2022-06-11	Airbus	A330	Austria	6:00	50	75	buna
16	Patriciu Dan	Germania	Popescu	Sorina	2920204213809	2022-06-11	Airbus	A330	Austria	6:00	50	75	buna
17	Soare Sorin	Germania	Popescu	Sorina	2920204213809	2022-06-11	Airbus	A330	Germania	8:30	30	90	buna
18	Patriciu Dan	Germania	Popescu	Sorina	2920204213809	2022-06-11	Airbus	A330	Germania	8:30	30	90	buna
19	Popescu Alberto	Romania	Lascu	Mihaela	2890713114680	2022-05-11	Airbus	A340	Romani...	14:30	34	50	buna
20	Secui Mariana	Romania	Lascu	Mihaela	2890713114680	2022-05-11	Airbus	A340	Romani...	14:30	34	50	buna
21	Popescu Alberto	Romania	Lascu	Mihaela	2890713114680	2022-05-11	Airbus	A340	Romani...	15:00	20	95	buna
22	Secui Mariana	Romania	Lascu	Mihaela	2890713114680	2022-05-11	Airbus	A340	Romani...	15:00	20	95	buna
23	Ciusnel Daria	Romania	Dima	Denisa	6010306525961	2022-11-12	Boei...	737...	Romani...	7:00	20	60	precipitatii...
24	Bob Marley	Romania	Dima	Denisa	6010306525961	2022-11-12	Boei...	737...	Romani...	7:00	20	60	precipitatii...
25	Ciusnel Daria	Romania	Dima	Denisa	6010306525961	2022-11-12	Boei...	737...	Romani...	7:20	0	90	noros
26	Bob Marley	Romania	Dima	Denisa	6010306525961	2022-11-12	Boei...	737...	Romani...	7:20	0	90	noros
27	Dicu Ruxandra	Romania	Miclaus	Simona	2880107118405	2022-07-01	Boei...	737...	Romani...	6:00	35	20	noros
28	Peru Sandel	Romania	Miclaus	Simona	2880107118405	2022-07-01	Boei...	737...	Romani...	6:00	35	20	noros
29	Dicu Ruxandra	Romania	Miclaus	Simona	2880107118405	2022-07-01	Boei...	737...	Romani...	7:50	10	92	buna
30	Peru Sandel	Romania	Miclaus	Simona	2880107118405	2022-07-01	Boei...	737...	Romani...	7:50	10	92	buna
31	Dinca Andrei	Germania	Baltag	Octavian	1950612362469	2022-02-01	Airbus	A220	Polonia	17:00	70	45	noros
32	Calinescu Marina	Germania	Baltag	Octavian	1950612362469	2022-02-01	Airbus	A220	Polonia	17:00	70	45	noros
33	Ionescu Eugen	Germania	Baltag	Octavian	1950612362469	2022-02-01	Airbus	A220	Polonia	17:00	70	45	noros
34	Dinca Andrei	Germania	Baltag	Octavian	1950612362469	2022-02-01	Airbus	A220	Germania	19:00	40	80	buna
35	Calinescu Marina	Germania	Baltag	Octavian	1950612362469	2022-02-01	Airbus	A220	Germania	19:00	40	80	buna
36	Ionescu Eugen	Germania	Baltag	Octavian	1950612362469	2022-02-01	Airbus	A220	Germania	19:00	40	80	buna
37	Florescu Maria	Franta	Stanescu	Consta...	1970705027441	2022-03-22	Airbus	A220	Belgia	1:00	30	80	buna
38	Zorlescu George	Franta	Stanescu	Consta...	1970705027441	2022-03-22	Airbus	A220	Belgia	1:00	30	80	buna
39	Florescu Maria	Franta	Stanescu	Consta...	1970705027441	2022-03-22	Airbus	A220	Franta	1:30	20	95	noros
40	Zorlescu George	Franta	Stanescu	Consta...	1970705027441	2022-03-22	Airbus	A220	Franta	1:30	20	95	noros
41	Marienscu Cosmin	Regatul Unit	Voicu	Violeta	2890413353641	2022-04-23	Airbus	A320	Olanda	00:00	45	25	noros

	NumePasager	Tara	Nume	Prenume	CNP	DataPlecarii	Marca	Model	Locatia	Ora	ProcentCombustibil	ProcentDistanta	StareVreme
39	Florescu Maria	Franta	Stanescu	Consta...	1970705027441	2022-03-22	Airbus	A220	Franta	1:30	20	95	noros
40	Zorlescu George	Franta	Stanescu	Consta...	1970705027441	2022-03-22	Airbus	A220	Franta	1:30	20	95	noros
41	Marienscu Cosmin	Regatul Unit	Voicu	Violeta	2990413353641	2022-04-23	Airbus	A320	Olanda	00:00	45	25	noros
42	Dinica Gheorghe	Regatul Unit	Voicu	Violeta	2990413353641	2022-04-23	Airbus	A320	Olanda	00:00	45	25	noros
43	Marienscu Cosmin	Regatul Unit	Voicu	Violeta	2990413353641	2022-04-23	Airbus	A320	Londra	4:45	30	89	precipitatii...
44	Dinica Gheorghe	Regatul Unit	Voicu	Violeta	2990413353641	2022-04-23	Airbus	A320	Londra	4:45	30	89	precipitatii...
45	Soare Sorin	Germania	Vascan	Teodor	1891203401820	2022-06-11	Airbus	A330	Austria	6:00	50	75	buna
46	Patriciu Dan	Germania	Vascan	Teodor	1891203401820	2022-06-11	Airbus	A330	Austria	6:00	50	75	buna
47	Soare Sorin	Germania	Vascan	Teodor	1891203401820	2022-06-11	Airbus	A330	Germania	8:30	30	90	buna
48	Patriciu Dan	Germania	Vascan	Teodor	1891203401820	2022-06-11	Airbus	A330	Germania	8:30	30	90	buna
49	Popescu Alberto	Romania	Titihazan	Viorel	1880404284957	2022-05-11	Airbus	A340	Romani...	14:30	34	50	buna
50	Secui Mariana	Romania	Titihazan	Viorel	1880404284957	2022-05-11	Airbus	A340	Romani...	14:30	34	50	buna
51	Popescu Alberto	Romania	Titihazan	Viorel	1880404284957	2022-05-11	Airbus	A340	Romani...	15:00	20	95	buna
52	Secui Mariana	Romania	Titihazan	Viorel	1880404284957	2022-05-11	Airbus	A340	Romani...	15:00	20	95	buna
53	Ciusnel Daria	Romania	Popescu	Consta...	1890320452314	2022-11-12	Boei...	737...	Romani...	7:00	20	60	precipitatii...
54	Bob Marley	Romania	Popescu	Consta...	1890320452314	2022-11-12	Boei...	737...	Romani...	7:00	20	60	precipitatii...
55	Ciusnel Daria	Romania	Popescu	Consta...	1890320452314	2022-11-12	Boei...	737...	Romani...	7:20	0	90	noros
56	Bob Marley	Romania	Popescu	Consta...	1890320452314	2022-11-12	Boei...	737...	Romani...	7:20	0	90	noros
57	Dicu Ruxandra	Romania	Pacurar	Claudia	2870825085505	2022-07-01	Boei...	737...	Romani...	6:00	35	20	noros
58	Peru Sandel	Romania	Pacurar	Claudia	2870825085505	2022-07-01	Boei...	737...	Romani...	6:00	35	20	noros
59	Dicu Ruxandra	Romania	Pacurar	Claudia	2870825085505	2022-07-01	Boei...	737...	Romani...	7:50	10	92	buna
60	Peru Sandel	Romania	Pacurar	Claudia	2870825085505	2022-07-01	Boei...	737...	Romani...	7:50	10	92	buna
61	Dinca Andrei	Germania	Oltean	Ioan-D...	1900421246541	2022-02-01	Airbus	A220	Polonia	17:00	70	45	noros
62	Calinescu Marina	Germania	Oltean	Ioan-D...	1900421246541	2022-02-01	Airbus	A220	Polonia	17:00	70	45	noros
63	Ionescu Eugen	Germania	Oltean	Ioan-D...	1900421246541	2022-02-01	Airbus	A220	Polonia	17:00	70	45	noros
64	Dinca Andrei	Germania	Oltean	Ioan-D...	1900421246541	2022-02-01	Airbus	A220	Germania	19:00	40	80	buna
65	Calinescu Marina	Germania	Oltean	Ioan-D...	1900421246541	2022-02-01	Airbus	A220	Germania	19:00	40	80	buna
66	Ionescu Eugen	Germania	Oltean	Ioan-D...	1900421246541	2022-02-01	Airbus	A220	Germania	19:00	40	80	buna
67	Florescu Maria	Franta	Marinescu	Andrei	1970215466251	2022-03-22	Airbus	A220	Belgia	1:00	30	80	buna
68	Zorlescu George	Franta	Marinescu	Andrei	1970215466251	2022-03-22	Airbus	A220	Belgia	1:00	30	80	buna
69	Florescu Maria	Franta	Marinescu	Andrei	1970215466251	2022-03-22	Airbus	A220	Franta	1:30	20	95	noros
70	Zorlescu George	Franta	Marinescu	Andrei	1970215466251	2022-03-22	Airbus	A220	Franta	1:30	20	95	noros
71	Marienscu Cosmin	Regatul Unit	Golovanov	Carmen	2980612191677	2022-04-23	Airbus	A320	Olanda	00:00	45	25	noros
72	Dinica Gheorghe	Regatul Unit	Golovanov	Carmen	2980612191677	2022-04-23	Airbus	A320	Olanda	00:00	45	25	noros
73	Marienscu Cosmin	Regatul Unit	Golovanov	Carmen	2980612191677	2022-04-23	Airbus	A320	Londra	4:45	30	89	precipitatii...
74	Dinica Gheorghe	Regatul Unit	Golovanov	Carmen	2980612191677	2022-04-23	Airbus	A320	Londra	4:45	30	89	precipitatii...
75	Soare Sorin	Germania	Darie	Emanuel	1990801399297	2022-06-11	Airbus	A330	Austria	6:00	50	75	buna
76	Patriciu Dan	Germania	Darie	Emanuel	1990801399297	2022-06-11	Airbus	A330	Austria	6:00	50	75	buna
77	Soare Sorin	Germania	Darie	Emanuel	1990801399297	2022-06-11	Airbus	A330	Germania	8:30	30	90	buna
78	Patriciu Dan	Germania	Darie	Emanuel	1990801399297	2022-06-11	Airbus	A330	Germania	8:30	30	90	buna
79	Popescu Alberto	Romania	Cernat	Mihai	1900208260300	2022-05-11	Airbus	A340	Romani	14:30	34	50	buna
79	Popescu Alberto	Romania	Cernat	Mihai	1900208260300	2022-05-11	Airbus	A340	Romani...	14:30	34	50	buna
80	Secui Mariana	Romania	Cernat	Mihai	1900208260300	2022-05-11	Airbus	A340	Romani...	14:30	34	50	buna
81	Popescu Alberto	Romania	Cernat	Mihai	1900208260300	2022-05-11	Airbus	A340	Romani...	15:00	20	95	buna
82	Secui Mariana	Romania	Cernat	Mihai	1900208260300	2022-05-11	Airbus	A340	Romani...	15:00	20	95	buna
83	Ciusnel Daria	Romania	Bicu	Aida	6020430433856	2022-11-12	Boei...	737...	Romani...	7:00	20	60	precipitatii...
84	Bob Marley	Romania	Bicu	Aida	6020430433856	2022-11-12	Boei...	737...	Romani...	7:00	20	60	precipitatii...
85	Ciusnel Daria	Romania	Bicu	Aida	6020430433856	2022-11-12	Boei...	737...	Romani...	7:20	0	90	noros
86	Bob Marley	Romania	Bicu	Aida	6020430433856	2022-11-12	Boei...	737...	Romani...	7:20	0	90	noros
87	Dicu Ruxandra	Romania	Ardeleanu	Mircea	1910911195016	2022-07-01	Boei...	737...	Romani...	6:00	35	20	noros
88	Peru Sandel	Romania	Ardeleanu	Mircea	1910911195016	2022-07-01	Boei...	737...	Romani...	6:00	35	20	noros
89	Dicu Ruxandra	Romania	Ardeleanu	Mircea	1910911195016	2022-07-01	Boei...	737...	Romani...	7:50	10	92	buna
90	Peru Sandel	Romania	Ardeleanu	Mircea	1910911195016	2022-07-01	Boei...	737...	Romani...	7:50	10	92	buna

```sql
--2.Sa se creeze un view cu militarii , unitatea militara de care apartin,
vechimea in aceea unitate, gradul si functia pe care o detin
IF OBJECT_ID('View2','V') is not null
        drop view View2
go
CREATE VIEW View2
AS
SELECT Militar.Nume+' '+Militar.Prenume as NumeMilitar,
[Unitate Militara].Denumire, datediff(year,[Unitati Militare
Militari].Data1Perioada, getdate()) as 'Vechime in UM', GradMilitar.Denumire
as 'Grad', Functie.Denumire as 'Functie'
```

```sql
from Militar
inner join [Unitati Militare Militari] on [Unitati Militare
Militari].IDMilitar=Militar.IDMilitar
inner join GradeMilitari on GradeMilitari.IDMilitar=Militar.IDMilitar
inner join GradMilitar on GradMilitar.IDGrad=GradeMilitari.IDGrad
inner join FunctiiMilitari on FunctiiMilitari.IDMilitar=Militar.IDMilitar
inner join Functie on Functie.IDFunctie=FunctiiMilitari.IDFunctie
inner join [Unitate Militara] on [Unitate
Militara].IDUnitateMilitara=[Unitati Militare Militari].IDUnitateMilitara

SELECT * from View2
```

	NumeMilitar	Denumire	Vechime in UM	Grad	Functie
1	Siciu Marian	Flotila 71 Aeriana	2	Sublocotenent	Inginer
2	Dumitrascu Andreea	Flotila 90 Transport Aerian	2	Sublocotenent	Copilot
3	Demen Erik	Flotila 71 Aeriana	2	Plutonier major	Infanterie
4	Ciusnel Ciprian	Flotila 86 Aeriana	1	Sergent	Infanterie
5	Predescu Valeriu	Flotila 90 Transport Aerian	0	Sublocotenent	Infanterie
6	Horea Tudor	Escadrila 142 Cercetare	0	Locotenent	Infanterie

```sql
--3.Sa se creeze un view cu angajatii civili al caror nume are initiala intre
'A'-'Q' sunt de sex masculin , firma la care lucreaza ,functiile ocupate si
sunt din 'Olt', ('Bucuresti'), 'Brasov' sau 'Harghita' , numar de telefon
IF OBJECT_ID('View3','V') is not null
        drop view View3
go
CREATE VIEW View3
AS
SELECT [Angajat Civil].Nume+' '+[Angajat Civil].Prenume as 'Nume Prenume',
[Angajat Civil].Sex as 'Sex', [Firma Zbor].Denumire as 'Firma Zbor', [Functie
Civila].[Denumire Functie] as 'Functie', [Angajat Civil].Oras as 'Oras',
[Angajat Civil].Judet as 'Judet', [Angajat Civil].NumarTelefon as 'Numar de
telefon'
from [Angajat Civil]
inner join [Firme Angajati Civili] on [Firme Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Firma Zbor] on [Firma Zbor].IDFirma_Zbor=[Firme Angajati
Civili].IDFirma_Zbor
inner join [Functii Angajati Civili] on [Functii Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Functie Civila] on [Functie Civila].IDFunctie=[Functii Angajati
Civili].IDFunctie
where [Angajat Civil].Nume between 'A' and 'Q' and [Angajat Civil].Sex like
'masculin' and [Angajat Civil].Judet in
('Olt','Bucuresti','Brasov','Harghita')

select * from View3
```

	Nume Prenume	Sex	Firma Zbor	Functie	Oras	Judet	Numar de telefon
1	Popescu Constantin	masculin	Tarom	Mecanic aeronave	Slatina	Olt	40774032111
2	Popescu Constantin	masculin	Tarom	Co-pilot	Slatina	Olt	40774032111
3	Popescu Constantin	masculin	Tarom	Pilot	Slatina	Olt	40774032111
4	Marinescu Andrei	masculin	Emirates	Mecanic aeronave	Sect.6	Bucuresti	40766032625
5	Ardeleanu Mircea	masculin	Lufthansa	Agent de pista	Borsec	Harghita	40765092501

```sql
--4.Sa se creeze un tabel cu angajatii civili ce ocupa functia de 'Mecanic
Aeronave' si nu lucreaza la firma 'Lufthansa' pe baza vederii precedente si
nu sunt nascuti in zile pare
IF OBJECT_ID('View4','V') is not null
        drop view View4
go
CREATE VIEW View4
AS
SELECT View3.[Nume Prenume]
from View3
inner join [Angajat Civil] on [Angajat Civil].Nume+' '+[Angajat
Civil].Prenume=View3.[Nume Prenume]
where view3.[Firma Zbor] not like 'Lufthansa' and DAY([Angajat
Civil].Data_Nastere) not in (2,4,6,8,10,12,14,16,18,20,22,24,26,28,30)

select * from View4
```

	Nume Prenume
1	Marinescu Andrei

```sql
--5.Sa se creeze un view cu pilotii si firma la care lucreaza si data la care
si au primit functia de 'Pilot'
IF OBJECT_ID('View5','V') is not null
        drop view View5
go
CREATE VIEW View5
AS
SELECT [Angajat Civil].Nume+' '+[Angajat Civil].Prenume as 'Nume Prenume',
[Firma Zbor].Denumire, [Functii Angajati Civili].Data_Numire
from [Angajat Civil]
inner join [Firme Angajati Civili] on [Firme Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Firma Zbor] on [Firma Zbor].IDFirma_Zbor=[Firme Angajati
Civili].IDFirma_Zbor
inner join [Functii Angajati Civili] on [Functii Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Functie Civila] on [Functie Civila].IDFunctie=[Functii Angajati
Civili].IDFunctie
where [Functie Civila].[Denumire Functie] like 'Pilot'

select * from View5
```

	Nume Prenume	Denumire	Data_Numire
1	Vascan Teodor	Wizz Air	2019-05-07
2	Vascan Teodor	Blue Air	2019-05-07
3	Titihazan Viorel	Blue Air	2014-10-07
4	Popescu Constantin	Tarom	2018-10-07
5	Cernat Mihai	Emirates	2021-04-04

```sql
--6.Sa se creeze un view cu pasagerii care au bilete de tipul 'Dus' la clasa
'I' dupa data de 2022-01-01 si pretul mai mare de 260
IF OBJECT_ID('View6','V') is not null
        drop view View6
go
CREATE VIEW View6
AS
SELECT Pasager.Nume, Pasager.Prenume, Bilet.Tip,Bilet.Clasa, Bilet.Pret,
Cursa.DataPlecarii
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
inner join Cursa on Cursa.IDCursa=Bilet.IDCursa
where Bilet.Tip like 'Dus' and Bilet.Clasa like 'I' and Cursa.DataPlecarii
>'2022-01-1' and bilet.Pret >260

select * from View6
```

	Nume	Prenume	Tip	Clasa	Pret	DataPlecarii
1	Marienscu	Cosmin	Dus	I	305	2022-04-23
2	Dicu	Ruxandra	Dus	I	375	2022-07-01
3	Bob	Marley	Dus	I	280	2022-11-12

```sql
--7.Sa se creeze o vedere cu militarii care sunt trecuti de media de varsta a
tuturor militarilor
IF OBJECT_ID('View7','V') is not null
        drop view View7
go
CREATE VIEW View7
AS
SELECT Militar.Nume+' '+Militar.Prenume as 'Nume Prenume' ,
datediff(year,Militar.Data_Nastere, GETDATE()) as 'Varsta'
from Militar
where datediff(year, Militar.Data_Nastere, getdate()) > (SELECT
avg(datediff(year,Militar.Data_Nastere ,GETDATE())) from Militar)

select * from View7
```

--8.Sa se creeaze un view cu angajatii civili , cnp-ul acestora, aeroportul de plecare de la urmatoarea cursa pe care lucreaza si modelul si marca avionului

```sql
IF OBJECT_ID('View8','V') is not null
        drop view View8
go
CREATE VIEW View8
AS
SELECT [Angajat Civil].Nume+' '+[Angajat Civil].Prenume as 'Nume Prenume',
[Angajat Civil].CNP, Aeroport.Denumire as 'Cursa', [MarcaModelTip
Avion].Marca, [MarcaModelTip Avion].Model
from [Angajat Civil]
inner join [AngajatiC per Cursa] on [AngajatiC per
Cursa].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join Cursa on Cursa.IDCursa=[AngajatiC per Cursa].IDCursa
inner join Avion on Cursa.IDAvion=Avion.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=avion.IDMMT
inner join Aeroport on Aeroport.IDAeroport=Cursa.IDAeroportPlecare

select * from View8
```

	Nume Prenume	CNP	Cursa	Marca	Model
1	Laufer Andreea	6030726055143	Aeroportul internationa "Henri Coanda"	Airbus	A220
2	Tudorache Andreea	2931015173920	Aeroportul internationa "Avram Iancu"	Airbus	A220
3	Pop Teodora	2950809079724	Aeroportul internationa Craiova	Airbus	A320
4	Popescu Sorina	2920204213809	Aeroportul internationa "Traian Vuia"	Airbus	A330
5	Lascu Mihaela	2890713114680	Aeroportul internationa Sibiu	Airbus	A340
6	Dima Denisa	6010306525961	Aeroportul internationa Arad	Boeing	737NG
7	Miclaus Simona	2880107118405	Aeroportul internationa "George Enescu"	Boeing	737MAX
8	Baltag Octavian	1950612362469	Aeroportul internationa "Henri Coanda"	Airbus	A220
9	Stanescu Constantin	1970705027441	Aeroportul internationa "Avram Iancu"	Airbus	A220
10	Voicu Violeta	2990413353641	Aeroportul internationa Craiova	Airbus	A320
11	Vascan Teodor	1891203401820	Aeroportul internationa "Traian Vuia"	Airbus	A330
12	Titihazan Viorel	1880404284957	Aeroportul internationa Sibiu	Airbus	A340
13	Popescu Constantin	1890320452314	Aeroportul internationa Arad	Boeing	737NG
14	Pacurar Claudia	2870825085505	Aeroportul internationa "George Enescu"	Boeing	737MAX
15	Oltean Ioan-Danut	1900421246541	Aeroportul internationa "Henri Coanda"	Airbus	A220
16	Marinescu Andrei	1970215466251	Aeroportul internationa "Avram Iancu"	Airbus	A220
17	Golovanov Carmen	2980612191677	Aeroportul internationa Craiova	Airbus	A320
18	Darie Emanuel	1990801399297	Aeroportul internationa "Traian Vuia"	Airbus	A330
19	Cernat Mihai	1900208260300	Aeroportul internationa Sibiu	Airbus	A340
20	Bicu Aida	6020430433856	Aeroportul internationa Arad	Boeing	737NG
21	Ardeleanu Mircea	1910911195016	Aeroportul internationa "George Enescu"	Boeing	737MAX

```
--9.Sa se creeze o vedere cu militarii mai mari de 20 de ani , data nasterii
si data cand au avut majoratul , varsta actuala
IF OBJECT_ID('View9','V') is not null
        drop view View9
go
CREATE VIEW View9
AS
SELECT Militar.Nume + ' ' + Militar.Prenume as 'Nume Prenume' ,
Militar.Data_Nastere, DATEADD(year, 18, Militar.Data_Nastere) as 'Data
Majorat' , datediff(year,Militar.Data_Nastere, GETDATE()) as 'Varsta actuala'
from Militar
where datediff(year,Militar.Data_Nastere, GETDATE())>20

select * from View9
```

	Nume Prenume	Data_Nastere	Data Majorat	Varsta actuala
1	Siciu Marian	1998-04-16	2016-04-16	24
2	Demen Erik	1997-06-26	2015-06-26	25
3	Ciusnel Ciprian	2001-04-28	2019-04-28	21
4	Predescu Valeriu	1999-03-03	2017-03-03	23
5	Horea Tudor	1998-01-22	2016-01-22	24
6	Enache Ciprian	1975-04-16	1993-04-16	47
7	Sica Marian	1970-04-16	1988-04-16	52
8	Epureanu Sandel	1972-04-16	1990-04-16	50

```sql
--10.Sa se creeze o vedere cu militarii de sex feminin care au misiune intr o
luna impara si si numele misiunii
IF OBJECT_ID('View10','V') is not null
        drop view View10
go
CREATE VIEW View10
AS
SELECT Militar.Nume+ ' ' +Militar.Prenume as 'Nume Prenume' , Militar.Sex,
Misiune.DataPlecarii, Misiune.Denumire
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
where Militar.Sex like 'feminin' and month(Misiune.DataPlecarii) in
(1,3,5,7,9,11)


select * from View10
```

	Nume Prenume	Sex	DataPlecarii	Denumire
1	Dumitrascu Andreea	feminin	2022-03-22	Betta

```sql
--@@@@@@@@@ PROCEDURI STOCATE @@@@@@@@@

--1.Sa se creeze o procedura care sa permita vizualizarea sumei varstelor
pasagerilor dintr o cursa prin returnarea parametrului.Trimitem ca parametru
id-ul cursei
IF EXISTS (SELECT * FROM sys.objects where type = 'P' and name='Procedura1')
DROP procedure Procedura1
GO
CREATE PROCEDURE Procedura1 @id_cursa int, @suma_varstelor int=0 OUTPUT
AS
SELECT @suma_varstelor=SUM(Pasager.Varsta)
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
inner join Cursa on Cursa.IDCursa=Bilet.IDCursa
where Cursa.IDCursa=@id_cursa

GO
DECLARE @p1 int
```
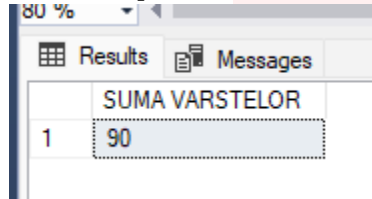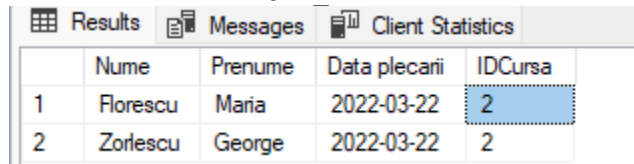
```
EXEC Procedura1 @id_cursa=1,@suma_varstelor=@p1 OUTPUT
SELECT @p1 as 'SUMA VARSTELOR'
```


--2.Sa se creeze o procedura care sa permita vizualizarea varstei medii
pentru o zi trimisa ca parametru care reprezinta ziua de nastere a
militarilor

```
IF EXISTS (SELECT * FROM sys.objects where type = 'P' and name='Procedura2')
DROP procedure Procedura2
GO
CREATE PROCEDURE Procedura2 @ziua int, @varsta_medie int output
as
SELECT @varsta_medie=AVG(DATEDIFF(year,Militar.Data_Nastere,GETDATE()))
from Militar
where day(Militar.Data_Nastere)=@ziua

GO
DECLARE @p2 int
EXEC Procedura2 @ziua = 10, @varsta_medie=@p2 output
SELECT @p2 AS 'Varsta medie'
```
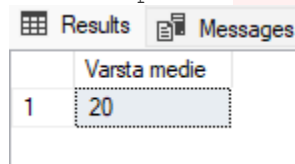

--3.Sa se creeze o procedura care permite prin trimiterea unui parametru
intreg pentru id_cursa, vizualizarea tuturor pasagerilor din cursa trimisa ca
parametru

```
IF EXISTS (SELECT * FROM sys.objects where type = 'P' and name='Procedura3')
DROP procedure Procedura3
GO
CREATE PROCEDURE Procedura3 @id_cursa int =1
as
select Pasager.Nume, Pasager.Prenume, Cursa.DataPlecarii as 'Data plecarii',
Cursa.IDCursa
from Pasager
inner join Bilet on Bilet.IDBilet=Pasager.IDBilet
inner join Cursa on Cursa.IDCursa=bilet.IDCursa
where Cursa.IDCursa=@id_cursa

EXEC Procedura3 @id_cursa=2
```

```
--4.Sa se creeze o procedura care permite trimiterea unei misiuni ca
parametru si afiseaza toti militarii care fac parte din aceea misiune
IF EXISTS (SELECT * FROM sys.objects where type = 'P' and name='Procedura4')
DROP procedure Procedura4
GO
CREATE PROCEDURE Procedura4 @misiune varchar(30)
as
select Militar.Nume +  ' ' + Militar.Prenume as 'Nume militar',
Misiune.Denumire
from Militar
inner join [Militari per Misiune] on [Militari per
Misiune].IDMilitar=Militar.IDMilitar
inner join Misiune on Misiune.IDMisiune=[Militari per Misiune].IDMisiune
where Misiune.Denumire=@misiune

exec Procedura4 @misiune='Betta'
```

	Nume militar	Denumire
1	Siciu Marian	Betta
2	Dumitrascu Andreea	Betta

```
--5.Sa se creeze o procedura care permite vizualizarea firmelor de zbor la
care a lucrat un angajat , avand ca parametru numele si prenumele acestuia
IF EXISTS (SELECT * FROM sys.objects where type = 'P' and name='Procedura5')
DROP procedure Procedura5
GO
CREATE procedure Procedura5 @nume varchar(30) , @prenume varchar(30)
as
select [Firma Zbor].Denumire as 'Firma Zbor', [Angajat Civil].Nume+'
'+[Angajat Civil].Prenume as 'Nume Prenume Angajat'
from [Firma Zbor]
inner join [Firme Angajati Civili] on [Firme Angajati
Civili].IDFirma_Zbor=[Firma Zbor].IDFirma_Zbor
inner join [Angajat Civil] on [Angajat Civil].IDAngajat_Civil=[Firme Angajati
Civili].IDAngajat_Civil
where [Angajat Civil].Nume=@nume and [Angajat Civil].Prenume=@prenume

exec Procedura5 @nume='Miclaus', @prenume='Simona'
```

Results | Messages | Client Statistics

	Firma Zbor	Nume Prenume Angajat
1	Air Europa	Miclaus Simona
2	Pegasus	Miclaus Simona

```
--6.Sa se creeze o procedura care afiseaza toti pasagerii care au bilete la
clasa ... , tip ... si pretul mai mare decat ... (parametrii)
IF EXISTS (SELECT * FROM sys.objects where type = 'P' and name='Procedura6')
DROP procedure Procedura6
GO
create procedure Procedura6 @clasa varchar(30), @tip varchar(30) , @pret int
as
```

```sql
select Pasager.Nume + ' ' + Pasager.Prenume as 'Nume Prenume Pasager' ,
Bilet.Clasa, Bilet.Tip, Bilet.Pret
from Pasager
inner join Bilet on bilet.IDBilet=Pasager.IDBilet
where Bilet.Clasa=@clasa and Bilet.Tip=@tip and Bilet.Pret>@pret

exec Procedura6 @clasa='I', @tip='Dus', @pret=150
```

	Nume Prenume Pasager	Clasa	Tip	Pret
1	Dinca Andrei	I	Dus	255
2	Marienscu Cosmin	I	Dus	305
3	Dicu Ruxandra	I	Dus	375
4	Bob Marley	I	Dus	280

```sql
--7.Sa se creeze o procedura care permite prin trimiterea unui parametru ,
vizualizarea tuturor angajatilor civili in data trimisa ca parametru si firma
la care lucreaza la acea data
IF EXISTS (SELECT * FROM sys.objects where type = 'P' and name='Procedura7')
DROP procedure Procedura7
GO
create procedure Procedura7 @data date
as
select [Angajat Civil].Nume+' '+[Angajat Civil].Prenume as 'Nume Prenume
Angajat', [Firma Zbor].Denumire, [Firme Angajati Civili].Data_Angajare,
[Firme Angajati Civili].Data_Plecarii, @data as 'Data-Parametru'
from [Angajat Civil]
inner join [Firme Angajati Civili] on [Firme Angajati
Civili].IDAngajat_Civil=[Angajat Civil].IDAngajat_Civil
inner join [Firma Zbor] on [Firma Zbor].IDFirma_Zbor=[Firme Angajati
Civili].IDFirma_Zbor
where @data between [Firme Angajati Civili].Data_Angajare and [Firme Angajati
Civili].Data_Plecarii

exec Procedura7 @data='2018-05-20'
```

	Nume Prenume Angajat	Denumire	Data_Angajare	Data_Plecarii	Data-Parametru
1	Baltag Octavian	Pegasus	2017-10-01	2019-10-01	2018-05-20
2	Vascan Teodor	Wizz Air	2017-02-03	2019-05-07	2018-05-20

```sql
--8.Sa se creeze o procedura care permite trimiterea unui model si marca de
avion ca parametrii si afiseaza toate cursele data plecarii si data sosirii
acelor curse
IF EXISTS (SELECT * FROM sys.objects where type = 'P' and name='Procedura8')
DROP procedure Procedura8
GO
create procedure Procedura8 @model varchar(30), @marca varchar(30)
as
select Cursa.IDCursa, Cursa.DataPlecarii,Cursa.DataSosirii,@marca, @model
```

```sql
from Cursa
inner join Avion on Avion.IDAvion=Cursa.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where [MarcaModelTip Avion].Marca=@marca and [MarcaModelTip
Avion].Model=@model

exec Procedura8 @model='A220' , @marca='Airbus'
```

	IDCursa	DataPlecarii	DataSosirii	(No column name)	(No column name)
1	1	2022-02-01	2022-02-01	Airbus	A220
2	2	2022-03-22	2022-03-23	Airbus	A220

```sql
--9.Sa se creeze o procedura care permite trimiterea unui model de avion si
marca ca parametrii si afiseaza misiunea care se va desfasura cu acel avion
si militarii respectivi
IF EXISTS (SELECT * FROM sys.objects where type = 'P' and name='Procedura9')
DROP procedure Procedura9
GO
create procedure Procedura9 @marca varchar(30),@model varchar(30)
as
select Misiune.Denumire, Militar.Nume, Militar.Prenume, [MarcaModelTip
Avion].Marca, [MarcaModelTip Avion].Model
from Misiune
inner join [Militari per Misiune] on [Militari per
Misiune].IDMisiune=Misiune.IDMisiune
inner join Militar on Militar.IDMilitar=[Militari per Misiune].IDMilitar
inner join Avion on Avion.IDAvion=Misiune.IDAvion
inner join [MarcaModelTip Avion] on [MarcaModelTip Avion].IDMMT=Avion.IDMMT
where [MarcaModelTip Avion].Marca=@marca and [MarcaModelTip
Avion].Model=@model

exec Procedura9 @marca='Airbus',@model='A400M'
```

	Denumire	Nume	Prenume	Marca	Model
1	Betta	Siciu	Marian	Airbus	A400M
2	Betta	Dumitrascu	Andreea	Airbus	A400M

```sql
--10.Sa se creeze o procedura care permite vizualizarea militarilor pe
functia data ca parametru mai in varsta de 30 de ani
IF EXISTS (SELECT * FROM sys.objects where type = 'P' and name='Procedura10')
DROP procedure Procedura10
GO
create procedure Procedura10 @functie varchar(30)
as
select Militar.Nume, Militar.Prenume, Functie.Denumire,
datediff(year,Militar.Data_Nastere,GETDATE()) as 'Varsta'
from Militar
```

```sql
    inner join FunctiiMilitari on FunctiiMilitari.IDMilitar=Militar.IDMilitar
    inner join Functie on Functie.IDFunctie=FunctiiMilitari.IDFunctie
    where Functie.Denumire=@functie and
DATEDIFF(year,Militar.Data_Nastere,GETDATE())>30

exec Procedura10 @functie='Pilot'


--@@@@@@@@@ TRIGGERE @@@@@@@@@

----1.Sa se creeze un trigger la adaugarea unui militar, daca acesta are
varsta mare decat cel mai in varsta militar din tabela
--IF OBJECT_ID('tr_Varsta', 'TR') IS NOT NULL
--DROP TRIGGER tr_Varsta;
--GO
--CREATE TRIGGER tr_Varsta
--on Militar
--for insert
--as begin
--      declare @varsta int
--      select @varsta=DATEDIFF(year,inserted.Data_Nastere,GETDATE())
--      from inserted
--if @varsta>(SELECT MAX(DATEDIFF(year,militar.Data_Nastere,GETDATE())) from
Militar)
--      print'Este cel mai batran!'
--end

--select * from Militar

--insert into
[Militar](Nume,Prenume,CNP,Data_Nastere,Sex,Oras,Judet,Adresa,NumarTelefon)
--values
--(
--      'Enache','Ciprian','1750416779064','1975-04-
16','masculin','Bals','Olt','Str. Principala, nr.5', 40786091987
--)

--insert into
[Militar](Nume,Prenume,CNP,Data_Nastere,Sex,Oras,Judet,Adresa,NumarTelefon)
--values
--(
--      'Sica','Marian','1700416779064','1970-04-
16','masculin','Reghin','Mures','Str. Secundara, nr.2', 40799091987
--)

--1.Sa se creeze un trigger pentru update sa afiseze ce a fost inainte si ce
s-a adaugat nou
IF OBJECT_ID('TR_Update')IS NOT NULL
DROP TRIGGER TR_Update

GO

CREATE TRIGGER TR_Update
```

```sql
on [Firma Zbor]
for update
as begin
select *
from inserted
union
select * from deleted
end

update [Firma Zbor]
set Denumire='Pegasus'
where IDFirma_Zbor=8

--2.Sa se creeze un trigger care sa afiseze un mesaj de eroare 16,1 cand se
executa un insert sau update in tabela angajati civili
IF OBJECT_ID('TR_2')IS NOT NULL
DROP TRIGGER TR_2

GO

create trigger TR_2
on [Angajat Civil]
for insert, update
as
begin
RAISERROR('S-a executat un INSERT sau un UPDATE',16,1)
end

insert into [Angajat Civil](Nume, Prenume, CNP, Data_Nastere, Sex, Oras,
Judet, Adresa, NumarTelefon)
values('Florescu', 'Claudiu', '1950505779064','1995-05-
05','masculin','Craiova','Dolj','Strada Pitesti, nr.4', 40774092444)

update [Angajat Civil]
set Nume='Radulescu'
where Nume='Florescu' and Prenume='Claudiu'

--3.Sa se creeze un trigger care sa afiseze un mesaj de eroare 16,1 cand se
executa delete in tabela angajati civili
IF OBJECT_ID('TR_3')IS NOT NULL
DROP TRIGGER TR_3

GO

create trigger TR_3
on [Angajat civil]
for delete
as
begin
RAISERROR('S-a executat un delete',16,1)
end

delete from [Angajat Civil]
```

```sql
where Nume='Radulescu' and Prenume='Claudiu'

--4.Sa se creeze un declansator care sa afiseze un mesaj de eroare la
inserarea sau modificarea tabelei militari.
IF EXISTS (SELECT name
FROM sysobjects
WHERE name = 'TR_4' AND type = 'TR')
DROP TRIGGER TR_4

go

create trigger TR_4
on Militar
FOR insert, update
as
declare
@@varsta integer,
@@nume_militar varchar(30)
SELECT @@nume_militar=inserted.Nume, @@varsta=datediff(year,
inserted.Data_Nastere, GETDATE())
from inserted, Militar
where inserted.Nume=Militar.Nume
if(@@varsta<30)
begin
        raiserror('Militarul %s are varsta <30',16, 1, @@nume_militar)
        end
        else
        begin
        raiserror('Militarul %s are varsta de
%d',16,1,@@nume_militar,@@varsta)
        end

insert into Militar(Nume,
Prenume,CNP,Data_Nastere,Sex,Oras,Judet,Adresa,NumarTelefon)
values('Epureanu','Sandel','1720416779064','1972-04-
16','masculin','Praid','Harghita','Str. Secund, nr.1', 40799191987)

--5.Sa se creeze un trigger pentru tabela Bilet      care dupa fiecare
inserare adauga 5 la pretul biletului
IF EXISTS (SELECT name
FROM sysobjects
WHERE name = 'TR_5' AND type = 'TR')
DROP TRIGGER TR_5

go

CREATE TRIGGER TR_5
on Bilet
after insert
as
        update Bilet
        set bilet.Pret=Bilet.Pret+5
        from inserted
```

```sql
        where Bilet.IDBilet=inserted.IDBilet

insert into
Bilet(Tip,Clasa,Pret,IDCursa,IDFirma_Zbor)
values('Dus','I',200,2,1)

--6.Sa se creeze un trigger pentru tabela bilete care sa inlocuiasca operatia
insert cu operatia UPDATE, cand dorim inserarea unui bilet, se va declansa un
update pentru pretul biletelor cu 5 , numai pentru bilete dus
IF EXISTS (SELECT name
FROM sysobjects
WHERE name = 'TR_6' AND type = 'TR')
DROP TRIGGER TR_6

go

CREATE TRIGGER TR_6
on Bilet
instead of insert
as
UPDATE Bilet
set Bilet.Pret=Bilet.Pret+5
from inserted
where Bilet.Tip like 'Dus'

insert into
Bilet(Tip,Clasa,Pret,IDCursa,IDFirma_Zbor)
values('Dus','II',250,3,1)

--7.Sa se creeze un trigger pentru tabela Militar prin care sa se afiseze un
mesaj de eroare daca s a modificat adresa unui militar si un alt mesaj daca s
a modificat altceva
IF EXISTS (SELECT name
FROM sysobjects
WHERE name = 'TR_7' AND type = 'TR')
DROP TRIGGER TR_7

go

CREATE TRIGGER TR_7
on Militar
for update
as
if update(Adresa)
raiserror('S-a modificat campul Adresa',16,1)
else
raiserror('S-a modificat alt camp al tabelei Militar',16,1)
go

UPDATE Militar SET Adresa='Str. Fan,Nr.66' where Adresa like 'Str. Sec,Nr.77'
UPDATE Militar SET NumarTelefon='40774092987' where NumarTelefon like
'40799191987'
```

```sql
--8.Sa se creeze un trigger pentru tabela Pasager.Verifica daca numele
pasagerului exista si afiseaza un mesaj corespunzator
IF EXISTS (SELECT name
FROM sysobjects
WHERE name = 'TR_8' AND type = 'TR')
DROP TRIGGER TR_8


go

CREATE TRIGGER TR_8
ON Pasager
FOR DELETE
AS
DECLARE @nume varchar(30)
SELECT @nume=deleted.Nume
from Pasager,deleted
if @nume in (SELECT Nume from Pasager)
print 'S-a sters'
else
begin
print 'Acest pasager nu exista'
rollback transaction
end
go

DELETE from pasager where Pasager.Nume='Ionescu'

--9.Sa se creeze un trigger care afiseaza un mesaj de eroare daca una din
valorile adaugate este null in raportm zbor
IF EXISTS (SELECT name
FROM sysobjects
WHERE name = 'TR_9' AND type = 'TR')
DROP TRIGGER TR_9
go

CREATE TRIGGER TR_9
on [RaportM Zbor]
FOR INSERT
as
begin
        Declare
        @idraport int,
        @idmisiune int,
        @ora varchar(30),
        @starevreme varchar(30),
        @procentCombustibil varchar(30),
        @procentDistanta varchar(30),
        @locatia varchar(30)
        select
        @idraport=[RaportM Zbor].IDRaport,@idmisiune=[RaportM
Zbor].IDMisiune,@ora=[RaportM Zbor].Ora,@starevreme=[RaportM
Zbor].StareVreme,@procentCombustibil=[RaportM
```

```sql
Zbor].ProcentCombustibil,@procentDistanta=ProcentDistanta,@locatia=[RaportM
Zbor].Locatia
        from [RaportM Zbor]
        if(@idraport is null or @idmisiune is null or @ora is null or
@starevreme is null or @procentCombustibil is null or @procentDistanta is
null or @locatia is null)
                raiserror('Element null',16,1)
                return
end
go

insert into [RaportM
Zbor](IDMisiune,Ora,StareVreme,ProcentCombustibil,ProcentDistanta,Locatia)
values(NULL,'20:00','ploios',30,30,'Bucuresti');

--10.Sa se creeze un trigger care sa afiseze un mesaj de eroare daca se
insereaza o cursa care exista deja , daca nu sa o insereze
IF EXISTS (SELECT name
FROM sysobjects
WHERE name = 'TR_10' AND type = 'TR')
DROP TRIGGER TR_10
go

CREATE TRIGGER TR_10
on Cursa
instead of insert
as begin
declare
        @id_avion int,
        @data_plecarii date,
        @data_sosirii date,
        @ora_plecarii varchar(30),
        @ora_sosirii varchar(30),
        @id_aero1 int,
        @id_aero2 int
        select
@id_avion=IDAvion,@data_plecarii=DataPlecarii,@data_sosirii=DataSosirii,@ora_
plecarii=OraPlecarii,@ora_sosirii=OraSosirii,@id_aero1=IDAeroportPlecare,@id_
aero2=IDAeroportSosire
from Cursa

if exists(SELECT * from Cursa where IDAvion=@id_avion and
DataPlecarii=@data_plecarii and DataSosirii=@data_sosirii and
OraPlecarii=@ora_plecarii and OraSosirii=@ora_sosirii and
IDAeroportPlecare=@id_aero1 and IDAeroportSosire=@id_aero2)
Raiserror('Aceasta cursa exista deja', 16,1)
else
        insert into Cursa
        VALUES(@id_avion,@data_plecarii,@data_sosirii,@ora_plecarii,@ora_sosir
ii,@id_aero1,@id_aero2)
end

insert into [Cursa]
```

```
values(3,'2022-04-23','2022-04-24','23:00','05:00',3,8)
```