

BAZA DE DATE A UNEI CORPORAȚII FICTIVE

Descriere

- O corporație are mai multe sucursale în domeniile IT și fashion.
- Fiecare filială are o structură organizatorică ierarhică. Acestea sunt conduse de către un manager general.
- Fiecare department are câte un director responsabil cu gestionarea și analiza proiectelor.
- Proiectele sunt realizate de echipe conduse de către un team leader și sunt formate din programatori , Q&A și eventual testerii.
- Se întocmesc regiștri cu rezultatele pe proiect ale fiecărui programator pentru a determina persoana care pe viitor poate deveni team leader.

Diagrama Entitate-Relație

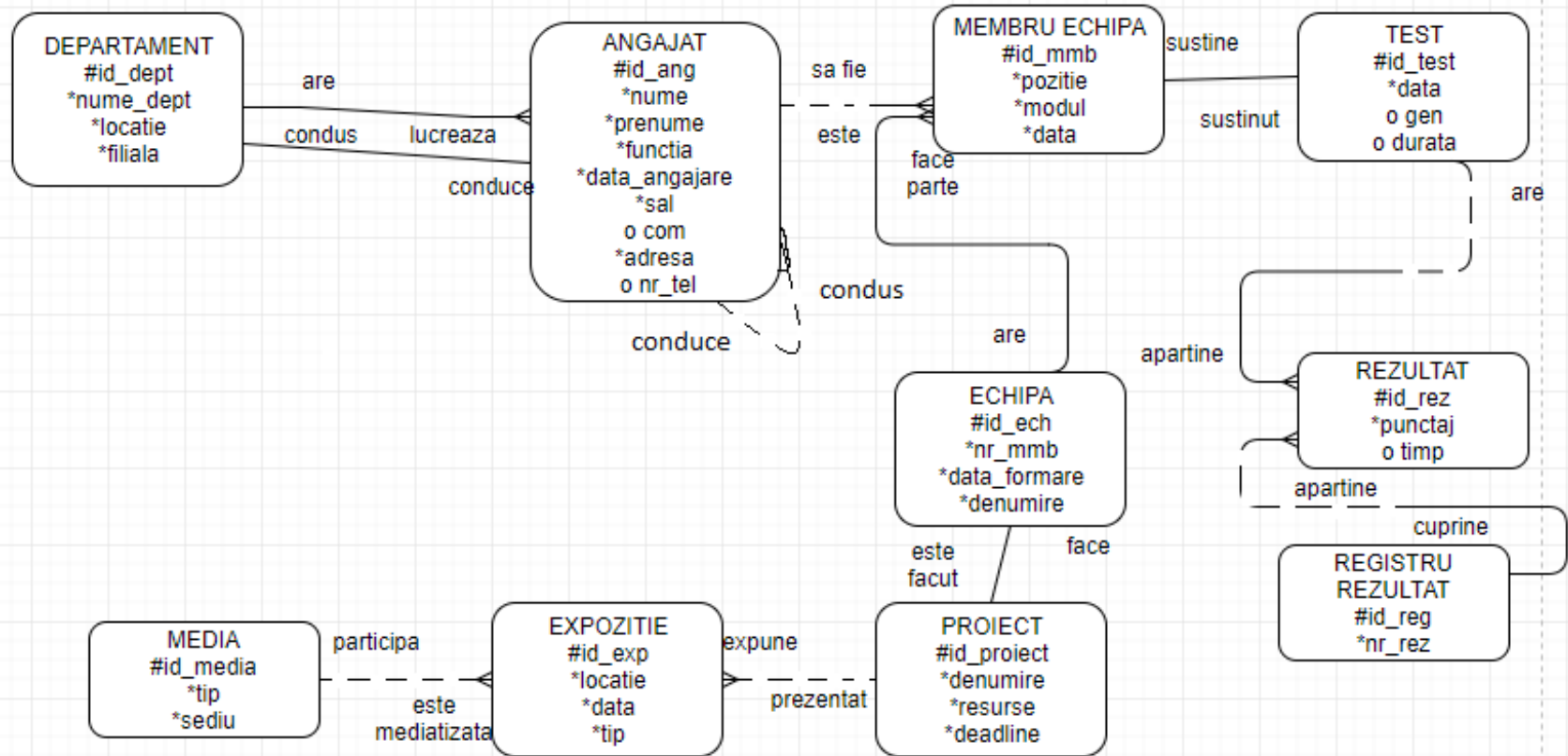


TABELA DEPARTAMENTE

Nume coloană	Tip coloană	Tip cheie	Opționalitate
Id_dept	NUMBER(2)	PK	*
nume_dept	VARCHAR2(30)		*
locatie	VARCHAR2(30)		*
filiala	VARCHAR2(30)		*
Id_mgr	NUMBER(6)	FK	o

TABELA ANGAJATI

Nume coloană	Tip coloană	Tip cheie	Opționalitate
Id_ang	NUMBER(6)	PK	*
nume	VARCHAR2(30)		*
prenume	VARCHAR2(50)		*
functia	VARCHAR2(30)		*
data_angajare	DATE		*
sal	NUMBER(5)		*
com	NUMBER(5)		0
adresa	VARCHAR2(50)		*
nr_tel	NUMBER(10)		0

Id_dep	NUMBER(2)	FK	*
Id_dep_condus	NUMBER(2)	FK	o
Id_sef	NUMBER(6)	FK	o

TABELA MEMBRI ECHIPE

Nume coloană	Tip coloană	Tip cheie	Opționalitate
Id_mmb	NUMBER(3)	PK	*
pozitie	VARCHAR2(50)		*
modul	VARCHAR2(50)		*
data	DATE		*
id_ech	NUMBER(4)	FK	*
id_ang	NUMBER(6)	FK	*

TABELA TESTE

Nume coloană	Tip coloană	Tip cheie	Opționalitate
id_test	NUMBER	PK	*
data	DATE		*
gen	VARCHAR2(50)		*
durata	NUMBER(3)		0
Id_mmb	NUMBER(3)	FK	*

TABELA REZULTATE

Nume coloană	Tip coloană	Tip cheie	Opționalitate
id_rez	NUMBER	PK	*
punctaj	NUMBER(3)		*
timp	NUMBER(3)		o
id_test	NUMBER	FK	*
id_reg	NUMBER(3)	FK	o

TABELA REGISTRII REZULTAT

Nume coloană	Tip coloană	Tip cheie	Opționalitate
id_reg	NUMBER(3)	PK	*
nr_rez	NUMBER		*

TABELA ECHIPE

Nume coloană	Tip coloană	Tip cheie	Opționalitate
id_ech	NUMBER(4)	PK	*
nr_mmb	NUMBER(3)		*
data_formare	DATE		*
denumire	VARCHAR2(30)		*

TABELA PROIECTE

Nume coloană	Tip coloană	Tip cheie	Opționalitate
id_proiect	NUMBER(8)	PK	*
denumire	VARCHAR2(50)		*
resurse	NUMBER(8)		*
deadline	DATE		*
id_ech	NUMBER(4)	FK	*

TABELUL EXPOZITII

Nume coloană	Tip coloană	Tip cheie	Opționalitate
id_exp	NUMBER(8)	PK	*
locatie	VARCHAR2(30)		*
data	DATE		*
tip	VARCHAR2(50)		*
id_proiect	NUMBER(8)	FK	o
id_media	NUMBER(6)	FK	o

TABELA MEDIA

Nume coloană	Tip coloană	Tip cheie	Opționalitate
id_media	NUMBER(6)	PK	*
tip	VARCHAR2(20)		*
sediu	VARCHAR2(30)		*

CREAREA TABELELOR

CREATE TABLE MEDIA (id_media NUMBER(6) PRIMARY KEY, tip VARCHAR2(20) NOT NULL, sediu VARCHAR2(30) NOT NULL);

MEDIA

+▼

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Column Name	Data Type	Nullable	Default	Primary Key
ID_MEDIA	NUMBER(6,0)	No	-	1
TIP	VARCHAR2(20)	No	-	-
SEDIU	VARCHAR2(30)	No	-	-


```
CREATE TABLE ECHIPE (id_ech NUMBER(4) PRIMARY KEY, nr_mmb
NUMBER(3) NOT NULL,
data_formare DATE NOT NULL DEFAULT SYSDATE, denumire
VARCHAR2(30) NOT NULL, id_proiect NUMBER NULL);
```

ECHIPE

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Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Column Name	Data Type	Nullable	Default	Primary Key
ID_ECH	NUMBER(4,0)	No	-	1
NR_MMB	NUMBER(3,0)	No	-	-
DATA_FORMARE	DATE	No	SYSDATE	-
DENUMIRE	VARCHAR2(30)	No	-	-
ID_PROIECT	NUMBER	Yes	-	-

```
CREATE TABLE PROIECTE (id_proiect NUMBER(8) PRIMARY KEY,
                        denumire VARCHAR2(30) NOT NULL,
                        resurse NUMBER(8) NOT NULL, deadline DATE NOT NULL, id_ech
                        NUMBER(4) NOT NULL, FOREIGN KEY(id_ech) REFERENCES
                        ECHIPE(id_ech));
```

PROIECTE

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Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Column Name	Data Type	Nullable	Default	Primary Key
ID_PROIECT	NUMBER(8,0)	No	-	1
DENUMIRE	VARCHAR2(30)	No	-	-
RESURSE	NUMBER(8,0)	No	-	-
DEADLINE	DATE	No	-	-
ID_ECH	NUMBER(4,0)	No	-	-

```
CREATE TABLE EXPOZITII (id_exp NUMBER(8) PRIMARY KEY, locatie
                        VARCHAR2(30) NOT NULL,
data DATE NOT NULL DEFAULT SYSDATE, tip VARCHAR2(50) NOT NULL, id_proiect
NUMBER(8), FOREIGN KEY(id_proiect) REFERENCES PROIECTE(id_proiect),
                        id_media NUMBER(6),
                        FOREIGN KEY(id_media) REFERENCES MEDIA(id_media));
```

EXPOZITII											+ ▼
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL	
<div> Add Column Modify Column Rename Column Drop Column Rename Copy Drop Truncate Create Lookup Table </div>											
Column Name	Data Type		Nullable		Default		Primary Key				
ID_EXP	NUMBER(8,0)		No		-		1				
LOCATIE	VARCHAR2(30)		No		-		-				
DATA	DATE		No		SYSDATE		-				
TIP	VARCHAR2(50)		No		-		-				
ID_PROIECT	NUMBER(8,0)		Yes		-		-				
ID_MEDIA	NUMBER(6,0)		Yes		-		-				

```
CREATE TABLE DEPARTAMENTE (id_dept NUMBER(2) PRIMARY KEY,  
                             nume_dept VARCHAR2(30) NOT NULL,  
                             locatie VARCHAR2(50) NOT NULL, filiala VARCHAR2(30) NOT NULL, id_mgr  
                             NUMBER(6) NULL);
```

DEPARTAMENTE

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Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Column Name	Data Type	Nullable	Default	Primary Key
ID_DEPT	NUMBER(2,0)	No	-	1
NUME_DEPT	VARCHAR2(30)	No	-	-
LOCATIE	VARCHAR2(50)	No	-	-
FILIALA	VARCHAR2(30)	No	-	-
ID_MGR	NUMBER(6,0)	Yes	-	-

```
CREATE TABLE ANGAJATI (id_ang NUMBER(6) PRIMARY KEY, nume VARCHAR2(30) NOT NULL,
    prenume VARCHAR2(50) NOT NULL,
    functia VARCHAR2(30) NOT NULL, data_angajare DATE NOT NULL, sal NUMBER(5) NOT NULL,
    com NUMBER(5) NULL, adresa VARCHAR2(50) NOT NULL, nr_tel NUMBER(10) NULL,
    id_dept NUMBER(2) NOT NULL, id_dept_condus NUMBER(2) NULL, id_sef NUMBER(6) NULL,
    FOREIGN KEY(id_dept) REFERENCES DEPARTAMENTE(id_dept),
    FOREIGN KEY(id_dept_condus) REFERENCES DEPARTAMENTE(id_dept));
```

ANGAJATI

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Add Column

Modify Column

Rename Column

Drop Column

Rename

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Drop

Truncate

Create Lookup Table

Column Name	Data Type	Nullable	Default	Primary Key
ID_ANG	NUMBER(6,0)	No	-	1
NUME	VARCHAR2(30)	No	-	-
PRENUME	VARCHAR2(50)	No	-	-
FUNCTIA	VARCHAR2(30)	No	-	-
DATA_ANGAJARE	DATE	No	-	-
SAL	NUMBER(5,0)	No	-	-
COM	NUMBER(5,0)	Yes	-	-
ADRESA	VARCHAR2(50)	No	-	-
NR_TEL	NUMBER(10,0)	Yes	-	-
ID_DEPT	NUMBER(2,0)	No	-	-
ID_DEPT_CONDUS	NUMBER(2,0)	Yes	-	-
ID_SEF	NUMBER(6,0)	Yes	-	-

```
CREATE TABLE MEMBRI_ECHIPE (id_mmb NUMBER(3) PRIMARY KEY, pozitie
    VARCHAR2(50) NOT NULL, modul VARCHAR2(50) NOT NULL,
    data DATE NOT NULL, id_ech NUMBER(4) NOT NULL, id_ang NUMBER(6) NOT
    NULL,
    FOREIGN KEY(id_ech) REFERENCES ECHIPE(id_ech), FOREIGN KEY(id_ang)
    REFERENCES ANGAJATI(id_ang));
```

MEMBRI_ECHIPE										<div>+ ▼</div>
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
<div><div>Add Column</div><div>Modify Column</div><div>Rename Column</div><div>Drop Column</div><div>Rename</div><div>Copy</div><div>Drop</div><div>Truncate</div><div>Create Lookup Table</div></div>										
Column Name		Data Type		Nullable		Default		Primary Key		
ID_MMB		NUMBER(3,0)		No		-		1		
POZITIE		VARCHAR2(50)		No		-		-		
MODUL		VARCHAR2(50)		No		-		-		
DATA		DATE		No		-		-		
ID_ECH		NUMBER(4,0)		No		-		-		
ID_ANG		NUMBER(6,0)		No		-		-		

```
CREATE TABLE TESTE (id_test NUMBER PRIMARY KEY, data DATE NOT NULL
    DEFAULT SYSDATE, gen VARCHAR2(50) NULL, durata NUMBER(3) NULL,
    id_mmb NUMBER(3) NOT NULL, FOREIGN KEY(id_mmb) REFERENCES
    MEMBRI_ECHIPE(id_mmb));
```

TESTE										
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
<div> <div>Add Column</div> <div>Modify Column</div> <div>Rename Column</div> <div>Drop Column</div> <div>Rename</div> <div>Copy</div> <div>Drop</div> <div>Truncate</div> <div>Create Lookup Table</div> </div>										
Column Name	Data Type	Nullable	Default	Primary Key						
ID_TEST	NUMBER	No	-	1						
DATA	DATE	No	SYSDATE	-						
GEN	VARCHAR2(50)	Yes	-	-						
DURATA	NUMBER(3,0)	Yes	-	-						
ID_MMB	NUMBER(3,0)	No	-	-						

CREATE TABLE REGISTRII_REZULTAT (id_reg NUMBER(3) PRIMARY KEY,
nr_rez NUMBER NOT NULL, max_pctj NUMBER NOT NULL);

REGISTRII_REZULTAT										+ ▼
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
<div>Add Column</div> <div>Modify Column</div> <div>Rename Column</div> <div>Drop Column</div> <div>Rename</div> <div>Copy</div> <div>Drop</div> <div>Truncate</div> <div>Create Lookup Table</div>										
Column Name		Data Type		Nullable		Default		Primary Key		
ID_REG		NUMBER(3,0)		No		-		1		
NR_REZ		NUMBER		No		-		-		
MAX_PCTJ		NUMBER		No		-		-		


```
CREATE TABLE REZULTATE (id_rez NUMBER PRIMARY KEY, punctaj NUMBER(3)
    DEFAULT NULL, timp NUMBER(3) NULL,
    id_test NUMBER NOT NULL, id_reg NUMBER(3) NULL,
    FOREIGN KEY(id_test) REFERENCES TESTE(id_test), FOREIGN KEY(id_reg)
    REFERENCES REGISTRII_REZULTAT(id_reg));
```

RESULTATE + v										
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
<div> <div>Add Column</div> <div>Modify Column</div> <div>Rename Column</div> <div>Drop Column</div> <div>Rename</div> <div>Copy</div> <div>Drop</div> <div>Truncate</div> <div>Create Lookup Table</div> </div>										
Column Name		Data Type		Nullable		Default		Primary Key		
ID_REZ		NUMBER		No		-		1		
PUNCTAJ		NUMBER(3,0)		Yes		NULL		-		
TIMP		NUMBER(3,0)		Yes		-		-		
ID_TEST		NUMBER		No		-		-		
ID_REG		NUMBER(3,0)		Yes		-		-		

MODIFICAREA STRUCTURII TABELELOR

Aceste instructiuni creeaza foreign keys in tabele

- ALTER TABLE ANGAJATI ADD FOREIGN KEY(id_sef)
REFERENCES ANGAJATI(id_ang);
- ALTER TABLE ECHIPE ADD FOREIGN KEY(id_proiect)
REFERENCES PROIECTE(id_proiect);
- ALTER TABLE DEPARTAMENTE ADD FOREIGN
KEY(id_mgr) REFERENCES ANGAJATI(id_ang);

ALTER TABLE ECHIPE DROP COLUMN id_proiect;

Înainte de executarea scriptului:

ECHIPE

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Column Name	Data Type	Nullable	Default	Primary Key
ID_ECH	NUMBER(4,0)	No	-	1
NR_MMB	NUMBER(3,0)	No	-	-
DATA_FORMARE	DATE	No	SYSDATE	-
DENUMIRE	VARCHAR2(30)	No	-	-
ID_PROIECT	NUMBER	Yes	-	-

După executarea scriptului:

ECHIPE

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Column Name	Data Type	Nullable	Default	Primary Key
ID_ECH	NUMBER(4,0)	No	-	1
NR_MMB	NUMBER(3,0)	No	-	-
DATA_FORMARE	DATE	No	SYSDATE	-
DENUMIRE	VARCHAR2(30)	No	-	-

ALTER TABLE REGISTRII_REZULTAT DROP COLUMN max_pctj;

Înainte de executarea scriptului:

REGISTRII_REZULTAT										+ ▼
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
<div>Add Column</div> <div>Modify Column</div> <div>Rename Column</div> <div>Drop Column</div> <div>Rename</div> <div>Copy</div> <div>Drop</div> <div>Truncate</div> <div>Create Lookup Table</div>										
Column Name		Data Type		Nullable		Default		Primary Key		
ID_REG		NUMBER(3,0)		No		-		1		
NR_REZ		NUMBER		No		-		-		
MAX_PCTJ		NUMBER		No		-		-		

După executarea scriptului:

REGISTRII_REZULTAT										<div>+ v</div>
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
<div><div>Add Column</div><div>Modify Column</div><div>Rename Column</div><div>Drop Column</div><div>Rename</div><div>Copy</div><div>Drop</div><div>Truncate</div><div>Create Lookup Table</div></div>										
Column Name		Data Type			Nullable		Default		Primary Key	
ID_REG		NUMBER(3,0)			No		-		1	
NR_REZ		NUMBER			No		-		-	

ALTER TABLE DEPARTAMENTE MODIFY locatie VARCHAR2(30);

Înainte de executarea scriptului:

DEPARTAMENTE										+ ▼
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
<div>Add ColumnModify ColumnRename ColumnDrop ColumnRenameCopyDropTruncateCreate Lookup Table</div>										
Column Name		Data Type		Nullable		Default		Primary Key		
ID_DEPT		NUMBER(2,0)		No		-		1		
NUME_DEPT		VARCHAR2(30)		No		-		-		
LOCATIE		VARCHAR2(50)		No		-		-		
FILIALA		VARCHAR2(30)		No		-		-		
ID_MGR		NUMBER(6,0)		Yes		-		-		

După executarea scriptului:

DEPARTAMENTE

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Column Name	Data Type	Nullable	Default	Primary Key
ID_DEPT	NUMBER(2,0)	No	-	1
NUME_DEPT	VARCHAR2(30)	No	-	-
LOCATIE	VARCHAR2(30)	No	-	-
FILIALA	VARCHAR2(30)	No	-	-
ID_MGR	NUMBER(6,0)	Yes	-	-

```
ALTER TABLE TESTE ADD CONSTRAINT CK_Durata CHECK(durata
BETWEEN 30 AND 90);
```

Înainte de executarea scriptului:

TESTE										
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
Create	Drop	Enable	Disable							
Constraint	Type	Search Condition	Related Constraint		Columns	Delete Rule	Status	Last Change	Index	Invalid
SYS_C0069031704	Check	"ID_MMB" IS NOT NULL	-		-	-	ENABLED	01/06/2018 05:48:32 PM	-	-
SYS_C0069031705	Primary	-	-		ID_TEST	-	ENABLED	01/06/2018 05:48:32 PM	SYS_C0069031705	-
SYS_C0069031706	Foreign	-	SYS_C0069031706 (MYWORLD.MEMBRI_ECHIPE)		ID_MMB	NO ACTION	ENABLED	01/06/2018 05:48:32 PM	-	-
SYS_C0069032701	Check	"DATA" IS NOT NULL	-		-	-	ENABLED	01/06/2018 06:13:30 PM	-	-

După executarea scriptului:

TESTE

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Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
Create	Drop	Enable	Disable							
Constraint	Type	Search Condition	Related Constraint	Columns	Delete Rule	Status	Last Change	Index	Invalid	
CK_DURATA	Check	durata BETWEEN 30 AND 90	-	-	-	ENABLED	01/06/2018 07:32:48 PM	-	-	
SYS_C0069031704	Check	"ID_MMB" IS NOT NULL	-	-	-	ENABLED	01/06/2018 05:48:32 PM	-	-	
SYS_C0069031705	Primary	-	-	ID_TEST	-	ENABLED	01/06/2018 05:48:32 PM	SYS_C0069031705	-	
SYS_C0069031706	Foreign	-	SYS_C0069031706 (MYWORLD.MEMBRI_ECHIBE)	ID_MMB	NO ACTION	ENABLED	01/06/2018 05:48:32 PM	-	-	
SYS_C0069032701	Check	"DATA" IS NOT NULL	-	-	-	ENABLED	01/06/2018 06:13:30 PM	-	-	

ALTER TABLE REZULTATE ADD CONSTRAINT CK_Timp CHECK(timp
BETWEEN 5 AND 90);

Înainte de executarea scriptului:

REZULTATE									
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies
SQL									
Create	Drop	Enable	Disable						
Constraint	Type	Search Condition	Related Constraint	Columns	Delete Rule	Status	Last Change	Index	Invalid
SYS_C0069031707	Check	"ID_TEST" IS NOT NULL	-	-	-	ENABLED	01/06/2018 05:48:32 PM	-	-
SYS_C0069031708	Primary	-	-	ID_REZ	-	ENABLED	01/06/2018 05:48:32 PM	SYS_C0069031708	-
SYS_C0069031709	Foreign	-	SYS_C0069031709 (MYWORLD.TESTE)	ID_TEST	NO ACTION	ENABLED	01/06/2018 05:48:32 PM	-	-
SYS_C0069031710	Foreign	-	SYS_C0069031710 (MYWORLD.REGISTRIL_REZULTAT)	ID_REG	NO ACTION	ENABLED	01/06/2018 05:48:32 PM	-	-

După executarea scriptului:

REZULTATE									
Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies
SQL									
Create	Drop	Enable	Disable						
Constraint	Type	Search Condition	Related Constraint	Columns	Delete Rule	Status	Last Change	Index	Invalid
CK_TIMP	Check	timp BETWEEN 5 AND 90	-	-	-	ENABLED	01/06/2018 07:38:44 PM	-	-
SYS_C0069031707	Check	"ID_TEST" IS NOT NULL	-	-	-	ENABLED	01/06/2018 05:48:32 PM	-	-
SYS_C0069031708	Primary	-	-	ID_REZ	-	ENABLED	01/06/2018 05:48:32 PM	SYS_C0069031708	-
SYS_C0069031709	Foreign	-	SYS_C0069031709 (MYWORLD.TESTE)	ID_TEST	NO ACTION	ENABLED	01/06/2018 05:48:32 PM	-	-
SYS_C0069031710	Foreign	-	SYS_C0069031710 (MYWORLD.REGISTRII_REZULTAT)	ID_REG	NO ACTION	ENABLED	01/06/2018 05:48:32 PM	-	-

INSERAREA DATELOR

- INSERT INTO DEPARTAMENTE VALUES(10, 'Arhitectura Cloud', 'Bcuresti/Sector 1/423', 'IT', NULL);
- INSERT INTO DEPARTAMENTE VALUES(11, 'Aplicatii in Cloud', 'Bcuresti/Sector 2/523', 'IT', NULL);
- INSERT INTO DEPARTAMENTE VALUES(58, 'Game Development', 'Cluj/Cluj-Napoca/Str Horea', 'IT', NULL);
- INSERT INTO DEPARTAMENTE VALUES(96, 'Aplicatii Mobile', 'Brasov/Brasov/Strada Ursilor', 'IT', NULL);
- INSERT INTO DEPARTAMENTE VALUES(5, 'Accesorii', 'Bcuresti/Sector 4/86', 'Fashion', NULL);

DEPARTAMENTE



Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query

Count Rows

Insert Row

Data

EDIT	ID_DEPT	NUME_DEPT	LOCATIE	FILIALA	ID_MGR
	11	Aplicatii in Cloud	Bcuresti/Sector 2/523	IT	-
	58	Game Development	Cluj/Cluj-Napoca/Strada Horea	IT	-
	96	Aplicatii Mobile	Brasov/Brasov/Strada Ursilor	IT	-
	5	Accesorii	Bcuresti/Sector 4/86	Fashion	-
	10	Arhitectura Cloud	Bcuresti/Sector 1/423	IT	-

- INSERT INTO ANGAJATI VALUES(100, 'Miclea', 'Andrei', 'Manager', TO_DATE('6/January/2016', 'DD/MON/YYYY'), 3200, NULL, 'Arges/Mioveni/103', 4073412568, 10, 10, NULL);
- INSERT INTO ANGAJATI VALUES(42, 'Bursuc', 'Mihai-Alin', 'Manager', TO_DATE('1/June/2008', 'DD/MON/YYYY'), 7400, NULL, 'Valcea/Dragasani/411', 4074511318, 58, 58, NULL);
- INSERT INTO ANGAJATI VALUES(101, 'Vuletescu', 'Ciprian', 'Manager', TO_DATE('4/December/2010', 'DD/MON/YYYY'), 6800, NULL, 'Valcea/Rm Valcea/114', 4076415982, 96, 96, NULL);
- INSERT INTO ANGAJATI VALUES(24, 'Cantemir', 'Ioan', 'Manager', TO_DATE('1/January/2012', 'DD/MON/YYYY'), 4400, NULL, 'Bucuresti/Sector 6/332', 4076321458, 11, 11, NULL);
- INSERT INTO ANGAJATI VALUES(40, 'Anatolie', 'Georgian', 'Programator', TO_DATE('10/November/2017', 'DD/MON/YYYY'), 800, NULL, 'Bucuresti/Sector 3/47', 4076428598, 58, NULL, 42);
- INSERT INTO ANGAJATI VALUES(112, 'Bacila', 'Andreea', 'Programator', TO_DATE('10/November/2017', 'DD/MON/YYYY'), 780, NULL, 'Bucuresti/Sector 3/41', 4073771286, 58, NULL, 42);
- INSERT INTO ANGAJATI VALUES(53, 'Cazu', 'Filip', 'Programator', TO_DATE('1/March/2017', 'DD/MON/YYYY'), 720, NULL, 'Bcuresti/Sector 2/522', NULL, 11, NULL, 24);
- INSERT INTO ANGAJATI VALUES(54, 'Cazu', 'Ferdinand', 'Programator', TO_DATE('1/March/2017', 'DD/MON/YYYY'), 860, NULL, 'Bcuresti/Sector 2/522', NULL, 11, NULL, 24);
- INSERT INTO ANGAJATI VALUES(55, 'Mitu', 'Mitica', 'Programator', TO_DATE('1/February/2016', 'DD/MON/YYYY'), 1000, NULL, 'Bcuresti/Sector 2/522', NULL, 96, NULL, 101);

- INSERT INTO ANGAJATI VALUES(56, 'Vrabie', 'Maria', 'Programator', TO_DATE('2/February/2015', 'DD/MON/YYYY'), 1200, NULL, 'Bcuresti/Sector 1/422', NULL, 10, NULL, 100);
- INSERT INTO ANGAJATI VALUES(421, 'Antonie', 'Dumitru', 'QA', TO_DATE('6/April/2014', 'DD/MON/YYYY'), 700, 10, 'Bucuresti/Sector 1/400', 4073112867, 10, NULL, 100);
- INSERT INTO ANGAJATI VALUES(422, 'Vasile', 'Lucian', 'QA', TO_DATE('5/May/2014', 'DD/MON/YYYY'), 700, NULL, 'Bcuresti/Sector 2/523', NULL, 11, NULL, 24);
- INSERT INTO ANGAJATI VALUES(157, 'Dascalte', 'Aurel', 'QA', TO_DATE('20/July/2015', 'DD/MON/YYYY'), 660, NULL, 'Cluj/Cluj-Napoca/Str Horea', NULL, 58, NULL, 42);
- INSERT INTO ANGAJATI VALUES(158, 'Pana', 'ion', 'QA', TO_DATE('4/April/2015', 'DD/MON/YYYY'), 844, NULL, 'Brasov/Brasov/Strada Ursilor', NULL, 96, NULL, 101);
- INSERT INTO ANGAJATI VALUES(159, 'Pascu', 'Victor', 'QA', TO_DATE('1/April/2016', 'DD/MON/YYYY'), 600, NULL, 'Cluj/Cluj-Napoca/Str Horea', NULL, 58, NULL, 42);
- INSERT INTO ANGAJATI VALUES(211, 'Bivolaru', 'Cristina', 'Tester', TO_DATE('8/June/2017', 'DD/MON/YYYY'), 300, NULL, 'Cluj/Cluj-Napoca/Aleea Herc', NULL, 58, NULL, 42);
- INSERT INTO ANGAJATI VALUES(212, 'Pascu', 'Vlad', 'Tester', TO_DATE('2/August/2017', 'DD/MON/YYYY'), 300, NULL, 'Cluj/Cluj-Napoca/Aleea Borsec', NULL, 58, NULL, 42);
- INSERT INTO ANGAJATI VALUES(400, 'Albu', 'Gandalf', 'Manager', TO_DATE('4/May/2006', 'DD/MON/YYYY'), 10000, 20, 'Arges/Mioveni/22', 4073123458, 5, 5, NULL);

ANGAJATI



Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Count Rows

Insert Row

ID_ANG	NUME	PRENUME	FUNCTIA	DATA_ANGAJARE	SAL	COM	ADRESA	NR_TEL	ID_DEPT	ID_DEPT_CONDUS	ID_SEF
53	Cazu	Filip	Programator	03/01/2017	720	-	Bcuresti/Sector 2/522	-	11	-	24
54	Cazu	Ferdinand	Programator	03/01/2017	860	-	Bcuresti/Sector 2/522	-	11	-	24
55	Mitu	Mitica	Programator	02/01/2016	1000	-	Bcuresti/Sector 2/522	-	96	-	101
56	Vrabie	Maria	Programator	02/02/2015	1200	-	Bcuresti/Sector 1/422	-	10	-	100
422	Vasile	Lucian	QA	05/05/2014	700	-	Bcuresti/Sector 2/523	-	11	-	24
157	Dascalete	Aurel	QA	07/20/2015	660	-	Cluj/Cluj-Napoca/Str Horea	-	58	-	42
158	Pana	ion	QA	04/04/2015	844	-	Brasov/Brasov/Strada Ursilor	-	96	-	101

ANGAJATI



159	Pascu	Victor	QA	04/01/2016	600	-	Cluj/Cluj-Napoca/Str Horea	-	58	-	42
100	Miclea	Andrei	Manager	01/06/2016	3200	-	Arges/Mioveni/103	4073412568	10	10	-
42	Bursuc	Mihai-Alin	Manager	06/01/2008	7400	-	Valcea/Dragasani/411	4074511318	58	58	-
101	Vuletescu	Ciprian	Manager	12/04/2010	6800	-	Valcea/Rm Valcea/114	4076415982	96	96	-
24	Cantemir	Ioan	Manager	01/01/2012	4400	-	Bucuresti/Sector 6/332	4076321458	11	11	-
40	Anatolie	Georgian	Programator	11/10/2017	800	-	Bucuresti/Sector 3/47	4076428598	58	-	42
112	Bacila	Andreea	Programator	11/10/2017	780	-	Bucuresti/Sector 3/41	4073771286	58	-	42
421	Antonie	Dumitru	QA	04/06/2014	700	10	Bucuresti/Sector 1/400	4073112867	10	-	100

ANGAJATI



Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query Count Rows Insert Row

Data

EDIT	ID_ANG	NUME	PRENUME	FUNCTIA	DATA_ANGAJARE	SAL	COM	ADRESA	NR_TEL	ID_DEPT	ID_DEPT_CONDUS	ID_SEF
	211	Bivolaru	Cristina	Tester	06/08/2017	300	-	Cluj/Cluj-Napoca/Aleea Herc	-	58	-	42
	212	Pascu	Vlad	Tester	08/02/2017	300	-	Cluj/Cluj-Napoca/Aleea Borsec	-	58	-	42
	400	Albu	Gandalf	Manager	05/04/2006	10000	20	Arges/Mioveni/22	4073123458	5	5	-

- INSERT INTO ECHIPE VALUES(1, 3,
TO_DATE('28/December/2017', 'DD/MON/YYYY'), 'Acvila');
- INSERT INTO ECHIPE VALUES(2, 4,
TO_DATE('29/December/2017', 'DD/MON/YYYY'), 'Balrog');
- INSERT INTO ECHIPE VALUES(3, 2,
TO_DATE('29/December/2017', 'DD/MON/YYYY'), 'Future');
- INSERT INTO ECHIPE VALUES(4, 2,
TO_DATE('30/December/2017', 'DD/MON/YYYY'), 'Dwarfs');
- INSERT INTO ECHIPE VALUES(5, 3,
TO_DATE('31/December/2017', 'DD/MON/YYYY'), 'Mini');

ECHIPE



Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

Query

Count Rows

Insert Row

Data

EDIT	ID_ECH	NR_MMB	DATA_FORMARE	DENUMIRE
	1	3	12/28/2017	Acvila
	2	4	12/29/2017	Balrog
	3	2	12/29/2017	Future
	4	2	12/30/2017	Dwarfs
	5	3	12/31/2017	Mini

- INSERT INTO MEMBRI_ECHPE VALUES(1, 'Team Leader', 'IA', TO_DATE('28/December/2017', 'DD/MON/YYYY'), 1, 40);
- INSERT INTO MEMBRI_ECHPE VALUES(2, 'Intretinator', 'All', TO_DATE('28/December/2017', 'DD/MON/YYYY'), 1, 157);
- INSERT INTO MEMBRI_ECHPE VALUES(3, 'Tester', 'Ptototip', TO_DATE('29/December/2017', 'DD/MON/YYYY'), 1, 211);
- INSERT INTO MEMBRI_ECHPE VALUES(4, 'Team Leader', 'Criptografie', TO_DATE('29/December/2017', 'DD/MON/YYYY'), 2, 53);
- INSERT INTO MEMBRI_ECHPE VALUES(5, 'Dezvoltator', 'Criptografie', TO_DATE('29/December/2017', 'DD/MON/YYYY'), 2, 54);
- INSERT INTO MEMBRI_ECHPE VALUES(6, 'Intretinator', 'All', TO_DATE('29/December/2017', 'DD/MON/YYYY'), 2, 422);
- INSERT INTO MEMBRI_ECHPE VALUES(7, 'Team Leader', 'Design', TO_DATE('29/December/2017', 'DD/MON/YYYY'), 3, 56);
- INSERT INTO MEMBRI_ECHPE VALUES(8, 'Intretinator', 'All', TO_DATE('29/December/2017', 'DD/MON/YYYY'), 3, 421);

- INSERT INTO MEMBRI_ECHIPE VALUES(9, 'Team Leader', 'Data transfer', TO_DATE('30/December/2017', 'DD/MON/YYYY'), 4, 55);
- INSERT INTO MEMBRI_ECHIPE VALUES(10, 'Intretinator', 'All', TO_DATE('30/December/2017', 'DD/MON/YYYY'), 4, 158);
- INSERT INTO MEMBRI_ECHIPE VALUES(11, 'Team Leader', 'IA', TO_DATE('31/December/2017', 'DD/MON/YYYY'), 5, 112);
- INSERT INTO MEMBRI_ECHIPE VALUES(12, 'Intretinator', 'All', TO_DATE('31/December/2017', 'DD/MON/YYYY'), 5, 159);
- INSERT INTO MEMBRI_ECHIPE VALUES(13, 'Tester', 'Prototip', TO_DATE('3/January/2018', 'DD/MON/YYYY'), 5, 212);

MEMBRI_ECHIPE



Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
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Query

Count Rows

Insert Row

Data

EDIT	ID_MMB	POZITIE	MODUL	DATA	ID_ECH	ID_ANG
	1	Team Leader	IA	12/28/2017	1	40
	2	Intretinator	All	12/28/2017	1	157
	3	Tester	Ptototip	12/29/2017	1	211
	4	Team Leader	Criptografie	12/29/2017	2	53
	5	Dezvoltator	Criptografie	12/29/2017	2	54
	6	Intretinator	All	12/29/2017	2	422
	7	Team Leader	Design	12/29/2017	3	56
	8	Intretinator	All	12/29/2017	3	421

	9	Team Leader	Data transfer	12/30/2017	4	55
	10	Intretinator	All	12/30/2017	4	158
	11	Team Leader	IA	12/31/2017	5	112
	12	Intretinator	All	12/31/2017	5	159
	13	Tester	Prototip	01/03/2018	5	212

- INSERT INTO PROIECTE VALUES(1, 'Game of Thrones', '40000', TO_DATE('1/January/2019', 'DD/MON/YYYY'), 1);
- INSERT INTO PROIECTE VALUES(2, 'Container', '50000', TO_DATE('14/May/2018', 'DD/MON/YYYY'), 2);
- INSERT INTO PROIECTE VALUES(3, 'Arbore', '80000', TO_DATE('1/August/2019', 'DD/MON/YYYY'), 3);
- INSERT INTO PROIECTE VALUES(4, 'Snap', '10000', TO_DATE('1/April/2019', 'DD/MON/YYYY'), 4);
- INSERT INTO PROIECTE VALUES(5, 'God Of War Redemption', '60000', TO_DATE('18/March/2020', 'DD/MON/YYYY'), 5);

PROIECTE



Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query

Count Rows

Insert Row

Data

EDIT	ID_PROIECT	DENUMIRE	RESURSE	DEADLINE	ID_ECH
	1	Game of Thrones	40000	01/01/2019	1
	2	Container	50000	05/14/2018	2
	3	Arbore	80000	08/01/2019	3
	4	Snap	10000	04/01/2019	4
	5	God Of War Redemption	60000	03/18/2020	5

- INSERT INTO MEDIA VALUES(1, 'Divertisment', 'Bucuresti');
- INSERT INTO MEDIA VALUES(2, 'Educatie', 'Bucuresti');
- INSERT INTO MEDIA VALUES(3, 'Educatie', 'Cluj-Napoca');
- INSERT INTO MEDIA VALUES(4, 'Educatie', 'Timisoara');
- INSERT INTO MEDIA VALUES(5, 'Divertisment', 'Bucuresti');

MEDIA



Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query Count Rows Insert Row

Data

EDIT	ID_MEDIA	TIP	SEDIU
	1	Divertisment	Bucuresti
	2	Educatie	Bucuresti
	3	Educatie	Cluj-Napoca
	4	Educatie	Timisoara
	5	Divertisment	Bucuresti

Download

- INSERT INTO EXPOZITII VALUES(1, 'Bucuresti',
TO_DATE('10/January/2019', 'DD/MON/YYYY'), 'GameCon', 1, 1);
- INSERT INTO EXPOZITII VALUES(2, 'Moscova', TO_DATE('6/April/2020',
'DD/MON/YYYY'), 'GameCon', 5, 5);
- INSERT INTO EXPOZITII VALUES(3, 'Berlin', TO_DATE('1/June/2019',
'DD/MON/YYYY'), 'Technology', NULL, NULL);
- INSERT INTO EXPOZITII VALUES(4, 'Timisoara', TO_DATE('14/April/2021',
'DD/MON/YYYY'), 'Inovasion', NULL, NULL);
- INSERT INTO EXPOZITII VALUES(5, 'Bucuresti',
TO_DATE('10/October/2019', 'DD/MON/YYYY'), 'Technology', NULL,
NULL);

EXPOZITII



Table	Data	Indexes	Model	Constraints	Grants	Statistics	UI Defaults	Triggers	Dependencies	SQL
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Query	Count Rows	Insert Row
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Data

EDIT	ID_EXP	LOCATIE	DATA	TIP	ID_PROIECT	ID_MEDIA
	1	Bucuresti	01/10/2019	GameCon	1	1
	2	Moscova	04/06/2020	GameCon	5	5
	3	Berlin	06/01/2019	Technology	-	-
	4	Timisoara	04/14/2021	Inovasion	-	-
	5	Bucuresti	10/10/2019	Technology	-	-

[Download](#)

- INSERT INTO TESTE VALUES(1, TO_DATE('29/December/2017', 'DD/MON/YYYY'), 'Grila', 60, 1);
- INSERT INTO TESTE VALUES(2, TO_DATE('30/December/2017', 'DD/MON/YYYY'), 'Grila', 60, 4);
- INSERT INTO TESTE VALUES(3, TO_DATE('30/December/2017', 'DD/MON/YYYY'), 'Grila', 45, 7);
- INSERT INTO TESTE VALUES(4, TO_DATE('31/December/2017', 'DD/MON/YYYY'), 'Grila', 80, 9);
- INSERT INTO TESTE VALUES(5, TO_DATE('1/January/2018', 'DD/MON/YYYY'), 'Grila', 40, 11);

TESTE

+

▾

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Column Name	Data Type	Nullable	Default	Primary Key
ID_TEST	NUMBER	No	-	1
DATA	DATE	No	SYSDATE	-
GEN	VARCHAR2(50)	Yes	-	-
DURATA	NUMBER(3,0)	Yes	-	-
ID_MMB	NUMBER(3,0)	No	-	-

- INSERT INTO REGISTRII_REZULTAT VALUES(1, 2);
- INSERT INTO REGISTRII_REZULTAT VALUES(2, 2);
- INSERT INTO REGISTRII_REZULTAT VALUES(3, 1);
- INSERT INTO REGISTRII_REZULTAT VALUES(4, 0);
- INSERT INTO REGISTRII_REZULTAT VALUES(5, 0);

REGISTRUL REZULTAT



Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

Query

Count Rows

Insert Row

Data

EDIT

ID_REG

NR_REZ



1

2



2

2



3

1



4

0



5

0

- INSERT INTO REZULTATE VALUES(1, 92, 45, 1, 1);
- INSERT INTO REZULTATE VALUES(2, 94, 55, 2, 1);
- INSERT INTO REZULTATE VALUES(3, 88, 20, 3, 2);
- INSERT INTO REZULTATE VALUES(4, 98, 60, 4, 2);
- INSERT INTO REZULTATE VALUES(5, 90, 20, 5, 3);

REZULTATE



Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query

Count Rows

Insert Row

Data

EDIT	ID_REZ	PUNCTAJ	TIMP	ID_TEST	ID_REG
	1	92	45	1	1
	2	94	55	2	1
	3	88	20	3	2
	4	98	60	4	2
	5	90	20	5	3

MODIFICAREA DATELOR TABELELOR

- UPDATE DEPARTAMENTE SET id_mgr = 100
WHERE id_dept = 10;
- UPDATE DEPARTAMENTE SET id_mgr = 24
WHERE id_dept = 11;
- UPDATE DEPARTAMENTE SET id_mgr = 42
WHERE id_dept = 58;
- UPDATE DEPARTAMENTE SET id_mgr = 101
WHERE id_dept = 96;

DEPARTAMENTE



Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query

Count Rows

Insert Row

Data

EDIT	ID_DEPT	NUME_DEPT	LOCATIE	FILIALA	ID_MGR
	11	Aplicatii in Cloud	Bcuresti/Sector 2/523	IT	24
	58	Game Development	Cluj/Cluj-Napoca/Strada Horea	IT	42
	96	Aplicatii Mobile	Brasov/Brasov/Strada Ursilor	IT	101
	5	Accesorii	Bcuresti/Sector 4/86	Fashion	-
	10	Arhitectura Cloud	Bcuresti/Sector 1/423	IT	100

- UPDATE ANGAJATI SET sal = 860
WHERE id_ang = 53;
- DELETE FROM ANGAJATI WHERE
prenume = 'Gandalf';

ANGAJATI



Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

Count Rows

Insert Row

ID_ANG	NUME	PRENUME	FUNCTIA	DATA_ANGAJARE	SAL	COM	ADRESA	NR_TEL	ID_DEPT	ID_DEPT_CONDUS	ID_SEI
53	Cazu	Filip	Programator	03/01/2017	860	-	Bcuresti/Sector 2/522	-	11	-	24
54	Cazu	Ferdinand	Programator	03/01/2017	860	-	Bcuresti/Sector 2/522	-	11	-	24
55	Mitu	Mitica	Programator	02/01/2016	1000	-	Bcuresti/Sector 2/522	-	96	-	101
56	Vrabie	Maria	Programator	02/02/2015	1200	-	Bcuresti/Sector 1/422	-	10	-	100

ANGAJATI



Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL

Query

Count Rows

Insert Row

Data

EDIT	ID_ANG	NUME	PRENUME	FUNCTIA	DATA_ANGAJARE	SAL	COM	ADRESA	NR_TEL	ID_DEPT	ID_DEPT_CONDUS	ID_SEF
	211	Bivolaru	Cristina	Tester	06/08/2017	300	-	Cluj/Cluj-Napoca/Aleea Herc	-	58	-	42
	212	Pascu	Vlad	Tester	08/02/2017	300	-	Cluj/Cluj-Napoca/Aleea Borsec	-	58	-	42

UPDATE ECHIPE SET nr_mmb = 3 WHERE id_ech = 2;

ECHIPE

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies






SQL

Query

Count Rows

Insert Row

Data

EDIT	ID_ECH	NR_MMB	DATA_FORMARE	DENUMIRE
	1	3	12/28/2017	Acvila
	2	3	12/29/2017	Balrog
	3	2	12/29/2017	Future
	4	2	12/30/2017	Dwarfs
	5	3	12/31/2017	Mini

INTEROGAREA TABELELOR

1) AFISATI TOATE DATELE DIN TABELUL MEDIA UNDE SEDIUL ESTE IN TIMISOARA SAU BUCURESTI.

SELECT * FROM MEDIA WHERE LOWER(sediu) in ('timisoara', 'bucuresti');

```
SELECT * FROM MEDIA WHERE LOWER(sediu) in ('timisoara', 'bucuresti');
```

Results	Explain	Describe	Saved SQL	History
ID_MEDIA	TIP	SEDIU		
1	Divertisment	Bucuresti		
2	Educatie	Bucuresti		
4	Educatie	Timisoara		
5	Divertisment	Bucuresti		

2) SELECTATI DENUMIREA ECHIPELOR AL CAROR PROIECTE SUNT EXPUSE.

SELECT ec.denumire FROM ECHIPE ec, PROIECTE p, EXPOZITII e WHERE
UPPER(e.tip) = 'GAMECON' AND e.id_proiect = p.id_proiect AND p.id_ech = ec.id_ech;

```
SELECT ec.denumire FROM ECHIPE ec, PROIECTE p, EXPOZITII e WHERE UPPER(e.tip) = 'GAMECON' AND e.id_proiect = p.id_proiect AND p.id_ech = ec.id_ech;
```

Results				
Results	Explain	Describe	Saved SQL	History
DENUMIRE				
Acvila				
Mini				
2 rows returned in 0.01 seconds Download				

3) AFISATI TOATE DETALIILE PROIECTELOR CARE AU DEADLINE-UL INTRE DOUA DATE ALEATORII.

```
SELECT * FROM PROIECTE WHERE deadline BETWEEN TO_DATE('1/January/2018', 'DD/MON/YYYY') AND TO_DATE('2/January/2019', 'DD/MON/YYYY');
```

```
SELECT * FROM PROIECTE WHERE deadline BETWEEN TO_DATE('1/January/2018', 'DD/MON/YYYY') AND TO_DATE('2/January/2019', 'DD/MON/YYYY');
```

|

Results	Explain	Describe	Saved SQL	History
ID_PROIECT	DENUMIRE	RESURSE	DEADLINE	ID_ECH
1	Game of Thrones	40000	01/01/2019	1
2	Container	50000	05/14/2018	2

2 rows returned in 0.01 seconds

[Download](#)

4) SELECTATI ID-UL ECHIPELOR CU CEI MAI MULTI MEMBRI.

```
SELECT id_ech FROM ECHIPE WHERE nr_mmb IN (SELECT  
MAX(nr_mmb) FROM ECHIPE);
```

```
SELECT id_ech FROM ECHIPE WHERE nr_mmb IN (SELECT MAX(nr_mmb) FROM ECHIPE);
```

Results	Explain	Describe	Saved SQL	History
ID_ECH				
1				
2				
5				
3 rows returned in 0.00 seconds				
Download				

5) AFISATI TOATE DATELE MEMBRILOR CARE S AU ALATURAT ECHIPEI DUPA FORMAREA ACESTEIA.

```
SELECT m.* FROM MEMBRI_ECHIPE m WHERE m.data > (SELECT data_formare FROM ECHIPE WHERE m.id_ech = id_ech);
```

```
SELECT m.* FROM MEMBRI_ECHIPE m WHERE m.data > (SELECT data_formare FROM ECHIPE WHERE m.id_ech = id_ech);
```

Results Explain Describe Saved SQL History

ID_MMB	POZITIE	MODUL	DATA	ID_ECH	ID_ANG
3	Tester	Ptototip	12/29/2017	1	211
13	Tester	Prototip	01/03/2018	5	212

2 rows returned in 0.03 seconds [Download](#)

6) SA SE AFISEZE DATELE CAND S-AU DAT TESTELE CARE DUREAZA MAI MULT DE O ORA.

SELECT data FROM TESTE WHERE durata > 60;

```
SELECT data FROM TESTE WHERE durata > 60;
```

Results	Explain	Describe	Saved SQL	History
DATA				
12/31/2017				
1 rows returned in 0.00 seconds Download				

7) SA SE AFISEZE TOATE DATELE PRIMELOR DOUA REZULTATE ORDONATE DESCRESATOR.

SELECT * FROM REZULTATE WHERE ROWNUM <= 2 ORDER BY punctaj DESC;

```
SELECT * FROM REZULTATE WHERE ROWNUM <= 2 ORDER BY punctaj DESC;
```

Results Explain Describe Saved SQL History				
ID_REZ	PUNCTAJ	TIMP	ID_TEST	ID_REG
2	94	55	2	1
1	92	45	1	1

2 rows returned in 0.00 seconds [Download](#)

8) SA SE AFISEZE TOATE DATELE REZULTATULUI DE ID 1.

```
SELECT r.* FROM REZULTATE r WHERE r.id_reg = 1;
```

```
SELECT r.* FROM REZULTATE r WHERE r.id_reg = 1;
```

Results Explain Describe Saved SQL History				
ID_REZ	PUNCTAJ	TIMP	ID_TEST	ID_REG
1	92	45	1	1
2	94	55	2	1

9) SA SE AFISEZE NUMELE DEPT. LOCATIA SI NUMELE ANGAJATILOR FOLOSIND JOIN.

```
SELECT d.num_dept, d.locatie, a.num FROM DEPARTAMENTE d INNER JOIN  
ANGAJATI a ON d.id_dept = a.id_dept;
```

```
SELECT d.num_dept, d.locatie, a.num FROM DEPARTAMENTE d INNER JOIN ANGAJATI a ON d.id_dept = a.id_dept;
```

Results	Explain	Describe	Saved SQL	History
Game Development	Cluj/Cluj-Napoca/Strada Horea	Pascu		
Arhitectura Cloud	Bcuresti/Sector 1/423	Miclea		
Game Development	Cluj/Cluj-Napoca/Strada Horea	Bursuc		
More than 10 rows available. Increase rows selector to view more rows.				
10 rows returned in 0.02 seconds Download				

10) SA SE AFISEZE NUMELE, FILIALA DEPARTAMENTELOR SI NUMELE ANGAJATILOR CARE LUCREAZA IN ACELE DEPARTAMENTE FOLOSIND JOIN.

```
SELECT d.ume_dept, d.filiala, a.ume FROM DEPARTAMENTE d LEFT JOIN ANGAJATI a ON  
d.id_dept = a.id_dept ORDER BY a.ume;
```

```
SELECT d.ume_dept, d.filiala, a.ume FROM DEPARTAMENTE d LEFT JOIN ANGAJATI a ON d.id_dept = a.id_dept ORDER BY a.ume;
```

Results	Explain	Describe	Saved SQL	History
Aplicatii in Cloud	IT	Cazu		
Aplicatii in Cloud	IT	Cazu		
Game Development	IT	Dascalete		
Arhitectura Cloud	IT	Miclea		
More than 10 rows available. Increase rows selector to view more rows.				

11) AFISATI SALARIUL MEDIU AL MANAGERILOR.

SELECT AVG(sal) FROM ANGAJATI WHERE LOWER(funcția) = 'manager';

```
SELECT AVG(sal) FROM ANGAJATI WHERE LOWER(funcția) = 'manager';
```

Results

Explain

Describe

Saved SQL

History

AVG(SAL)

5450

1 rows returned in 0.01 seconds

[Download](#)

12) AFISATI NUMARUL ANGAJATILOR FARA COMISION SI SUMA SALARIILOR ACESTORA.

SELECT COUNT(*), SUM(sal) FROM ANGAJATI WHERE com IS NULL;

```
SELECT COUNT(*), SUM(sal) FROM ANGAJATI WHERE com IS NULL;
```

Results		Explain	Describe	Saved SQL	History
COUNT(*)		SUM(SAL)			
16		30704			

1 rows returned in 0.00 seconds [Download](#)

13) AFISATI DATA DE ANGAJARE A PERSOANELOR ANGAJATE INAINTE DE O DATA ANUME.

```
SELECT data_angajare FROM ANGAJATI WHERE data_angajare <  
TO_DATE('30/December/2017', 'DD/MON/YYYY') ORDER BY data_angajare;
```

```
SELECT data_angajare FROM ANGAJATI WHERE data_angajare < TO_DATE('30/December/2017', 'DD/MON/YYYY') ORDER BY data_angajare;
```

Results	Explain	Describe	Saved SQL	History
07/20/2015				
01/06/2016				
02/01/2016				
More than 10 rows available. Increase rows selector to view more rows.				
10 rows returned in 0.01 seconds Download				

14) AFISATI NUMARUL DE ANGAJATI DIN FIECARE DEPARTAMENT URMAT DE ID-UL DEPARTAMENTULUI.

SELECT COUNT(id_ang), id_dept FROM ANGAJATI GROUP BY id_dept;

```
SELECT COUNT(id_ang), id_dept FROM ANGAJATI GROUP BY id_dept;
```

Results	Explain	Describe	Saved SQL	History
COUNT(ID_ANG)				ID_DEPT
4				11
3				96
7				58
3				10

15) FOLOSITI CLAUZA WITH AFISATI TOATE DATELE ANGAJATILOR AL CAROR SEFI SUNT PRIMII 3 IN ORDINE DESCRESATOARE.

WITH Manager AS (SELECT id_ang FROM ANGAJATI WHERE UPPER(funcția) = 'MANAGER' AND ROWNUM <=3 ORDER BY sal DESC) SELECT * FROM ANGAJATI WHERE id_sef IN (SELECT * FROM Manager);

```
WITH Manager AS (SELECT id_ang FROM ANGAJATI WHERE UPPER(funcția) = 'MANAGER' AND ROWNUM <=3 ORDER BY sal DESC) SELECT * FROM ANGAJATI WHERE id_sef IN (SELECT * FROM Manager);
```

Results Explain Describe Saved SQL History											
ID_ANG	NUME	PRENUME	FUNCTIA	DATA_ANGAJARE	SAL	COM	ADRESA	NR_TEL	ID_DEPT	ID_DEPT_CONDUS	ID_SEF
55	Mitu	Mitica	Programator	02/01/2016	1000	-	Bcuresti/Sector 2/522	-	96	-	101
56	Vrabie	Maria	Programator	02/02/2015	1200	-	Bcuresti/Sector 1/422	-	10	-	100
157	Dascalete	Aurel	QA	07/20/2015	660	-	Cluj/Cluj-Napoca/Str Horea	-	58	-	42

WITH Manager AS (SELECT id_ang FROM ANGAJATI WHERE UPPER(funcția) = 'MANAGER' AND ROWNUM <=3 ORDER BY sal DESC) SELECT * FROM ANGAJATI WHERE id_sef IN (SELECT * FROM Manager);

Results	Explain	Describe	Saved SQL	History							
159	Pascu	Victor	QA	04/01/2016	600	-	Cluj/Cluj-Napoca/Str Horea	-	58	-	42
40	Anatolie	Georgian	Programator	11/10/2017	800	-	Bucuresti/Sector 3/47	4076428598	58	-	42
112	Bacila	Andreea	Programator	11/10/2017	780	-	Bucuresti/Sector 3/41	4073771286	58	-	42
421	Antonie	Dumitru	QA	04/06/2014	700	10	Bucuresti/Sector 1/400	4073112867	10	-	100
211	Bivolaru	Cristina	Tester	06/08/2017	300	-	Cluj/Cluj-Napoca/Aleea Herc	-	58	-	42