

מיני פרוייקט בסיסי נתונים / מחלקת רכש

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נריה ברקסא 208915223



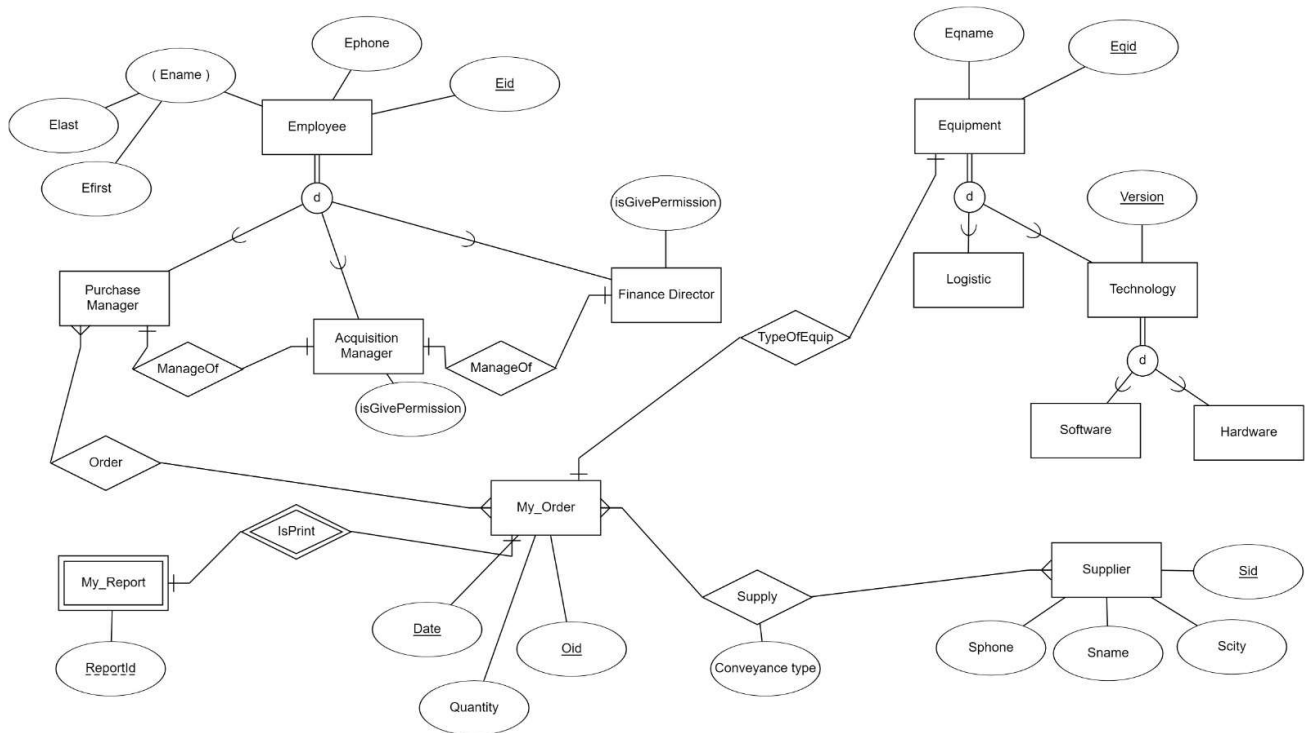
תיאור מחלקת רכש

מחלקת רכש דואגת לכל צרכי המוסד בפן הלוגיסטי, הן בענייני ציוד פיזי והן בענייני ציוד טכנולוגי. המחלקה דואגת לאגד את נתוני הספקים אשר מספקים למחלקה את הציוד השונה. בנוסף, המחלקה מבצעת מעקב אחר ההזמנות שהוזמנו ומוציאה דוחות בהתאם להזמנות שבוצעו.

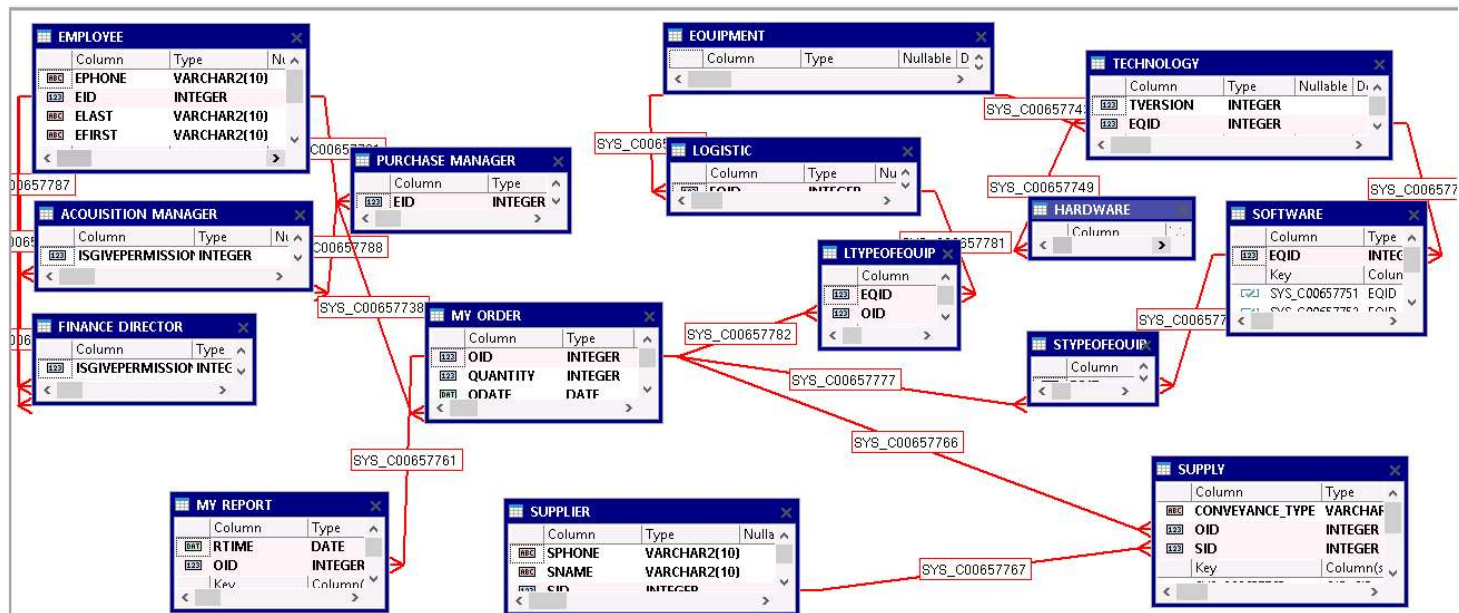
● הישגיות הראשיות:

- עובדים - מתאר את העובדים אשר עובדים במחלקה.
- ציוד - תיאור הציוד הלוגיסטי והטכנולוגי.
- מנהל פיננסי - הדרגה הבכירה במחלקה, מאשר הקצאת כספים עבור הזמנת ציוד.
- מנהל רכש - אחראי על מנהל ההזמנות, ומעלה בקשות של הזמנות לדרג הבכירה.
- מנהל הזמנות - אחראי בשטח על ביצוע הזמנות
- הזמנות שלי - פירוט על הזמנות שבוצעו ע"י מנהל ההזמנות.
- ספקים - תיאור הספקים אשר מספקים את הציוד.
- דו"ח - דו"ח מפורט על הזמנות שבוצעו.

תרשים ERD



תרשים DSD



פירוט הישויות

Employee

<u>Eid</u>	ת.ז.
Ephone	מספר פלאפון
Efirst	שם פרטי
Elast	שם משפחה

Equipment

Eqname	שם הציוד
<u>Eqid</u>	מזהה ציוד

Logistic - יורש את תכנות Equipment

Technology - בנוסף לירשת תכנות הEquipment

<u>version</u>	גרסא
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Software - יורש מ- Technology

Hardware - יורש מ- Technology

Finance Director - בנוסף לירשת תכנות Employee

IsGivePer mmission	נתינת היתר
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בס"ד

Employee - יורש תכונות Acquisition Manager

Employee - יורש תכונות Purchase Manager

My_Order

<u>Oid</u>	מזהה הזמנה
<u>Date</u>	תאריך
Quantity	כמות

Supplier

<u>Sid</u>	מזהה ספק
Scity	עיר
Sname	שם
Sphone	פלאפון

My_Report - יורש את מפתחתות **My_Order**

<u>Reprtid</u>	מזהה דיווח
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קשרים בין הישויות

שם הקשר	פירוט
Order	קשר רבים לרבים בין הזמנה למנהל ההזמנות לכל מנהל הזמנה יש הרבה הזמנות. ולכל הזמנה יכולה לבוא מכמה . מנהלי הזמנות
ManagerOfAcq	קשר של יחיד לרבים. לכל מנהל הזמנה יש מנהל רכישה אחד. מנהל ההזמנה כפוף למנהל הרכישה ומציג בפניו את פרטי ההזמנה על מנת שיבקש אישור על ביצוע ההזמנה מהדרג הגבוה.
ManagerOfFina	קשר של יחיד לרבים. לכל מנהל רכישה יש מנהל פיננסי אחד. מנהל הרכישה כפוף אליו ומבקש ממנו רשות להזמין מוצרים
Supply	קשר של רבים לרבים. לכל הזמנה יכולה להיות לה כמה ספקים. ולכל ספק יכול לספק לכמה הזמנות
TypeOfQuip	קשר של יחיד ליחיד. לכל הזמנה יש סוג ציוד אחד.
IsPrint	קשר של ישות חלשה. קיימת רק כאשר יש הזמנה ואז ניתן להדפיס דו"ח הזמנה

פקודות creat

Generate SQL

CREATE TABLE Employee

```
(  
    Ephone INT NOT NULL,  
    Eid INT NOT NULL,  
    Elast varchar2(10) NOT NULL,  
    Efirst varchar2(10) NOT NULL,  
    PRIMARY KEY (Eid)  
);
```

CREATE TABLE Equipment

```
(  
    Eqname varchar2(10) NOT NULL,  
    Eqid INT NOT NULL,  
    PRIMARY KEY (Eqid)  
);
```

CREATE TABLE Purchase_Manager

```
(  
    Eid INT NOT NULL,  
    PRIMARY KEY (Eid),  
    FOREIGN KEY (Eid) REFERENCES Employee(Eid)  
);
```


CREATE TABLE My_Order

```
(  
    Oid INT NOT NULL,  
    Quantity INT NOT NULL,  
    Date DATE NOT NULL,  
    PRIMARY KEY (Oid),  
    UNIQUE (Date)  
)
```

CREATE TABLE Technology

```
(  
    Version INT NOT NULL,  
    Eqid INT NOT NULL,  
    PRIMARY KEY (Eqid),  
    FOREIGN KEY (Eqid) REFERENCES Equipment(Eqid),  
    UNIQUE (Version)  
);
```

CREATE TABLE Logistic

```
(  
    Eqid INT NOT NULL,  
    Oid INT NOT NULL,  
    PRIMARY KEY (Eqid),  
    FOREIGN KEY (Eqid) REFERENCES Equipment(Eqid),  
    FOREIGN KEY (Oid) REFERENCES My_Order(Oid)  
);
```

CREATE TABLE Hardware

```
(  
    Eqid INT NOT NULL,  
    PRIMARY KEY (Eqid),  
    FOREIGN KEY (Eqid) REFERENCES Technology(Eqid)  
);
```

CREATE TABLE Software

```
(  
    Eqid INT NOT NULL,  
    PRIMARY KEY (Eqid),  
    FOREIGN KEY (Eqid) REFERENCES Technology(Eqid)  
);
```

CREATE TABLE Supplier

```
(  
    Sphone INT NOT NULL,  
    Sname varchar2(10) NOT NULL,  
    Sid INT NOT NULL,  
    Scity varchar2(10) NOT NULL,  
    PRIMARY KEY (Sid)  
);
```

CREATE TABLE My_Report

```
(
  ReportId INT NOT NULL,
  Oid INT NOT NULL,
  PRIMARY KEY (ReportId, Oid),
  FOREIGN KEY (Oid) REFERENCES My_Order(Oid)
);
```

CREATE TABLE MY_Order

```
(
  Eid INT NOT NULL,
  EQid INT NOT NULL,
  Oid INT NOT NULL,
  PRIMARY KEY (Eid, Oid),
  FOREIGN KEY (Eid) REFERENCES Purchase_Manager(Eid),
  FOREIGN KEY (Oid) REFERENCES My_Order(Oid)
);
```

CREATE TABLE Supply

```
(
  Conveyance_type INT NOT NULL,
  Oid INT NOT NULL,
  Sid INT NOT NULL,
  PRIMARY KEY (Oid, Sid),
  FOREIGN KEY (Oid) REFERENCES My_Order(Oid),
  FOREIGN KEY (Sid) REFERENCES Supplier(Sid)
);
```

);

CREATE TABLE STypeOfEquip

(

Eqid INT NOT NULL,

Oid INT NOT NULL,

PRIMARY KEY (Eqid, Oid),

FOREIGN KEY (Eqid) REFERENCES Software(Eqid),

FOREIGN KEY (Oid) REFERENCES My_Order(Oid)

);

CREATE TABLE Acquisition_Manager

(

isGivePermission INT NOT NULL,

Eid INT NOT NULL,

pur_man_id INT NOT NULL,

PRIMARY KEY (Eid),

FOREIGN KEY (Eid) REFERENCES Employee(Eid),

FOREIGN KEY (pur_man_id) REFERENCES Purchase_Manager(Eid)

);

CREATE TABLE Finance_Director

(

isGivePermission INT NOT NULL,

Eid INT NOT NULL,

acq_man_id INT NOT NULL,

PRIMARY KEY (Eid),

FOREIGN KEY (Eid) REFERENCES Employee(Eid),

FOREIGN KEY (acq_man_id) REFERENCES Acquisition_Manager(Eid)

);

Delete פקודות

1. מחיקת ספק עם TRX-שם

לפני:

select * from SUPPLIER

	SPHONE	SNAME	SID	SCITY
1	569998627	Pan-Pacifi	44099	Herne
2	573528205	Greene Cou	28995	Brussel
3	566454496	Benecon Gr	15736	Luedensche
4	531357242	Fiberlink	45786	Fremont
5	533019945	AQuickDeli	23715	Rimini
6	536024515	Black Moun	24192	St Kilda
7	508101965	TRX	34920	Zuerich
8	523281339	Angie's Li	10718	Pacific Gr
9	563988067	Diamond Gr	13918	Milton
10	558790748	Service So	42454	Belo Horiz
11	566917244	Strategic	47021	Amsterdam
12	528216821	Eze Castle	21344	Rozenburg
13	514182139	SimStar In	29781	Colorado S
14	529518183	AccuCode	29641	Thame

אחרי:

delete from SUPPLIER WHERE SNAME='TRX';

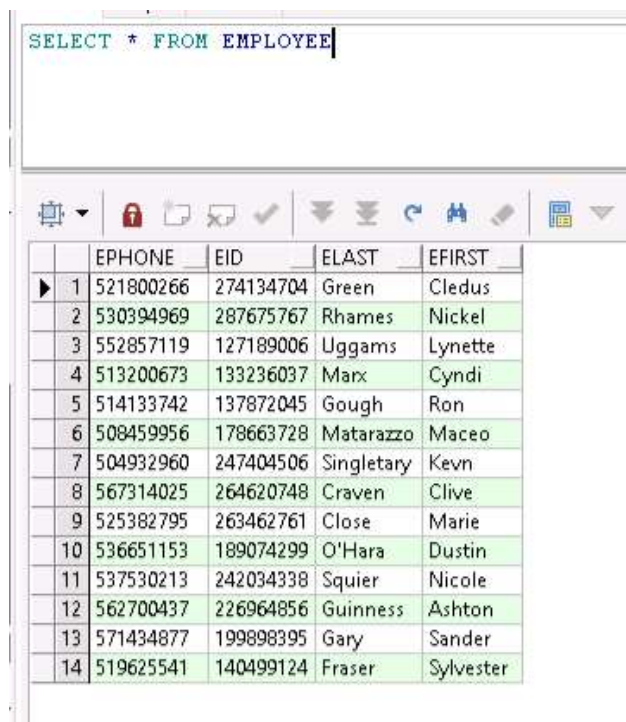
select * from SUPPLIER;

	SPHONE	SNAME	SID	SCITY
1	569998627	Pan-Pacifi	44099	Herne
2	573528205	Greene Cou	28995	Brussel
3	566454496	Benecon Gr	15736	Luedensche
4	531357242	Fiberlink	45786	Fremont
5	533019945	AQuickDeli	23715	Rimini
6	536024515	Black Moun	24192	St Kilda
7	523281339	Angie's Li	10718	Pacific Gr
8	563988067	Diamond Gr	13918	Milton
9	558790748	Service So	42454	Belo Horiz
10	566917244	Strategic	47021	Amsterdam
11	528216821	Eze Castle	21344	Rozenburg
12	514182139	SimStar In	29781	Colorado S
13	529518183	AccuCode	29641	Thame

בס"ד

2. מחיקת עובד עם התז 274134704

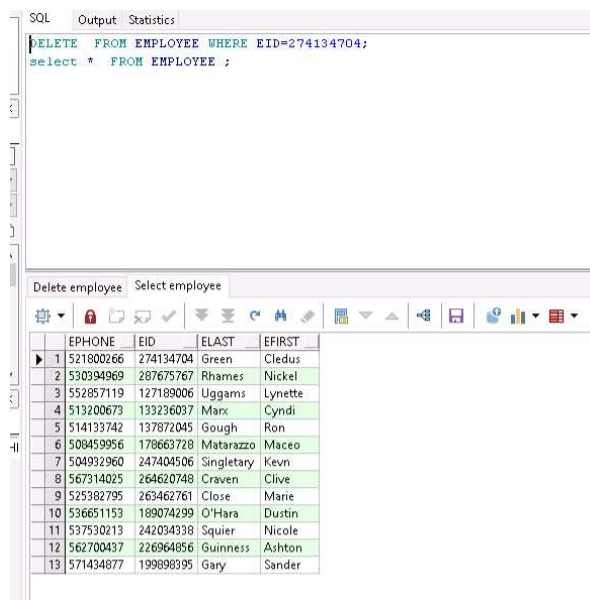
לפני:



```
SELECT * FROM EMPLOYEE
```

	EPHONE	EID	ELAST	EFIRST
1	521800266	274134704	Green	Cledus
2	530394969	287675767	Rhames	Nickel
3	552857119	127189006	Uggams	Lynette
4	513200673	133236037	Marx	Cyndi
5	514133742	137872045	Gough	Ron
6	508459956	178663728	Matarazzo	Maceo
7	504932960	247404506	Singletary	Kevn
8	567314025	264620748	Craven	Clive
9	525382795	263462761	Close	Marie
10	536651153	189074299	O'Hara	Dustin
11	537530213	242034338	Squier	Nicole
12	562700437	226964856	Guinness	Ashton
13	571434877	199898395	Gary	Sander
14	519625541	140499124	Fraser	Sylvester

אחרי:



```
DELETE FROM EMPLOYEE WHERE EID=274134704;  
select * FROM EMPLOYEE ;
```

	EPHONE	EID	ELAST	EFIRST
2	530394969	287675767	Rhames	Nickel
3	552857119	127189006	Uggams	Lynette
4	513200673	133236037	Marx	Cyndi
5	514133742	137872045	Gough	Ron
6	508459956	178663728	Matarazzo	Maceo
7	504932960	247404506	Singletary	Kevn
8	567314025	264620748	Craven	Clive
9	525382795	263462761	Close	Marie
10	536651153	189074299	O'Hara	Dustin
11	537530213	242034338	Squier	Nicole
12	562700437	226964856	Guinness	Ashton
13	571434877	199898395	Gary	Sander

בס"ד
3. מחיקת ציוד ספיצי -

לפני:

```
select * FROM Equipment ;
```

	EQNAME	EQID
1	silver	32030
2	strontium	37112
3	ytterbium	23244
4	tungsten	18447
5	protactini	21255
6	tantalum	29375
7	lead	12454
8	thorium	7103
9	mercury	1686
10	arsenic	1729
11	molybdenum	4645
12	germanium	5720
13	europium	18030
14	rhodium	24571
15	germanium	34544
16	titanium	28221
17	mendlevium	6950
18	thorium	8545
19	rhodium	6909
20	antimony	13449
21	rhenium	39733
22	tellurium	37675
23	samarium	40472
24	berkelium	12970
25	vanadium	18558
26	hafnium	8217

אחרי:

SQL Output Statistics

```
delete FROM Equipment where EQID=40472 ;
select * from Equipment ;
```

Delete equipment: Select equipment

	EQNAME	EQID
1	silver	32030
2	strontium	37112
3	ytterbium	23244
4	tungsten	18447
5	protactini	21255
6	tantalum	29375
7	lead	12454
8	thorium	7103
9	mercury	1686
10	arsenic	1729
11	molybdenum	4645
12	germanium	5720
13	europium	18030
14	rhodium	24571
15	germanium	34544
16	titanium	28221
17	mendlevium	6950
18	thorium	8545
19	rhodium	6909
20	antimony	13449
21	rhenium	39733
22	tellurium	37675

בס"ד

4.מחיקת דו"ח מסוים:

לפני:

```
select * from MY_REPORT ;
```

	REPORTID	OID
1	AQ-61	8744
2	BR-51	7098
3	CF-54	8192
4	ET-67	3990
5	FI-79	2094
6	FT-29	4619
7	GS-56	3671
8	IS-13	2584
9	KH-57	3853
10	MX-18	9626
11	PS-22	2460
12	QU-65	2302
13	WT-97	8729
14	WX-64	1241
15	YV-71	8266

אחרי:

SQL Output Statistics

```
DELETE FROM MY_REPORT WHERE OID=8266;  
select * from MY_REPORT ;
```

Delete my_report Select my_report

	REPORTID	OID
1	AQ-61	8744
2	BR-51	7098
3	CF-54	8192
4	ET-67	3990
5	FI-79	2094
6	FT-29	4619
7	GS-56	3671
8	IS-13	2584
9	KH-57	3853
10	MX-18	9626
11	PS-22	2460
12	QU-65	2302
13	WT-97	8729
14	WX-64	1241

פקודת UPDATE

1. עדכון שם משפחה של עובד

```
select * from EMPLOYEE ;
```

לפני:

		EPHONE	EID	ELAST	EFIRST
▶ 1	521800266	274134704	Green	Cledus	
2	530394969	287675767	Rhames	Nickel	
3	552857119	127189006	Uggams	Lynette	
4	513200673	133236037	Marx	Cyndi	
5	514133742	137872045	Gough	Ron	
6	508459956	178663728	Matarazzo	Maceo	
7	504932960	247404506	Singletary	Kevn	
8	567314025	264620748	Craven	Clive	
9	525382795	263462761	Close	Marie	
10	536651153	189074299	O'Hara	Dustin	
11	537530213	242034338	Squier	Nicole	
12	562700437	226964856	Guinness	Ashton	
13	571434877	199898395	Gary	Sander	
14	521800266	271134704	Gre	Cledus	

אחרי:

SQL Output Statistics

```
UPDATE EMPLOYEE
SET ELAST= 'BAR'
WHERE EID=274134704;
select * from EMPLOYEE ;
```

Update employee

Select employee

	EPHONE	EID	ELAST	EFIRST
▶ 1	521800266	274134704	BAR	Cledus
2	530394969	287675767	Rhames	Nickel
3	552857119	127189006	Uggams	Lynette
4	513200673	133236037	Marx	Cyndi
5	514133742	137872045	Gough	Ron
6	508459956	178663728	Matarazzo	Maceo
7	504932960	247404506	Singletary	Kevn
8	567314025	264620748	Craven	Clive
9	525382795	263462761	Close	Marie
10	536651153	189074299	O'Hara	Dustin
11	537530213	242034338	Squier	Nicole
12	562700437	226964856	Guinness	Ashton
13	571434877	199898395	Gary	Sander
14	521800266	271134704	Gre	Cledus

2. עדכון כמות של הזמנה קיימת

לפני:

```
SELECT * FROM MY_ORDER;
```

	OID	QUANTITY	ODATE	EID	EQID
1	5638	3	1.7.2023	274134704	5720
2	2302	5	1.3.2023	287675767	5923
3	2094	2	1.6.2023	274134704	1729
4	9719	5	1.1.2022	287675767	13449
5	7098	4	11.3.2023	242034338	7469
6	8192	1	11.6.2023	287675767	7469
7	9420	4	1.7.2022	263462761	32030
8	3853	1	2.1.2022	242034338	34544
9	5640	5	1.11.2023	242034338	5559
10	3990	4	22.1.2023	189074299	6950
11	3671	3	22.1.2021	287675767	32030
12	8266	3	21.1.2022	274134704	34544
13	7019	2	2.1.2021	242034338	34544
14	7926	2	1.7.2021	287675767	6769
15	3628	4	11.3.2022	127189006	1686
16	1065	2	19.3.2023	263462761	4683
17	1852	5	1.6.2021	127189006	2458
18	2584	1	11.6.2022	127189006	4683
19	9626	4	1.3.2021	127189006	5010
20	8729	5	1.1.2023	274134704	8527
21	1241	1	1.11.2021	263462761	6950
22	1698	3	2.1.2023	274134704	5559

אחרי:

```
UPDATE MY_ORDER
SET QUANTITY= 5
WHERE OID=5638;
select * from MY_ORDER ;
```

	OID	QUANTITY	ODATE	EID	EQID
1	5638	5	1.7.2023	274134704	5720
2	2302	5	1.3.2023	287675767	5923
3	2094	2	1.6.2023	274134704	1729
4	9719	5	1.1.2022	287675767	13449
5	7098	4	11.3.2023	242034338	7469
6	8192	1	11.6.2023	287675767	7469
7	9420	4	1.7.2022	263462761	32030
8	3853	1	2.1.2022	242034338	34544
9	5640	5	1.11.2023	242034338	5559
10	3990	4	22.1.2023	189074299	6950
11	3671	3	22.1.2021	287675767	32030
12	8266	3	21.1.2022	274134704	34544
13	7019	2	2.1.2021	242034338	34544
14	7926	2	1.7.2021	287675767	6769
15	3628	4	11.3.2022	127189006	1686
16	1065	2	19.3.2023	263462761	4683
17	1852	5	1.6.2021	127189006	2458
18	2584	1	11.6.2022	127189006	4683
19	9626	4	1.3.2021	127189006	5010
20	8729	5	1.1.2023	274134704	8527
21	1241	1	1.11.2021	263462761	6950
22	1698	3	2.1.2023	274134704	5559

3. עדכון שם של ספק

לפני:

```
select * from SUPPLIER ;
```

	SPHONE	SNAME	SID	SCITY
1	569998627	Pan-Pacifi	44099	Herne
2	573528205	Greene Cou	28995	Brussel
3	566454496	Benecon Gr	15736	Luedensche
4	531357242	Fiberlink	45786	Fremont
5	533019945	AQuickDeli	23715	Rimini
6	536024515	Black Moun	24192	St Kilda
7	523281339	Angie's Li	10718	Pacific Gr
8	563988067	Diamond Gr	13918	Milton
9	558790748	Service So	42454	Belo Horiz
10	566917244	Strategic	47021	Amsterdam
11	528216821	Eze Castle	21344	Rozenburg
12	514182139	SimStar In	29781	Colorado S
13	529518183	AccuCode	29641	Thame
14	508101965	TRX	34920	Zuerich

אחרי:

```
UPDATE SUPPLIER
SET SNAME= 'CHEN'
WHERE SID=44099;

select * from SUPPLIER ;
```

Update supplier

Select supplier

	SPHONE	SNAME	SID	SCITY
1	569998627	CHEN	44099	Herne
2	573528205	Greene Cou	28995	Brussel
3	566454496	Benecon Gr	15736	Luedensche
4	531357242	Fiberlink	45786	Fremont
5	533019945	AQuickDeli	23715	Rimini
6	536024515	Black Moun	24192	St Kilda
7	523281339	Angie's Li	10718	Pacific Gr
8	563988067	Diamond Gr	13918	Milton
9	558790748	Service So	42454	Belo Horiz
10	566917244	Strategic	47021	Amsterdam
11	528216821	Eze Castle	21344	Rozenburg
12	514182139	SimStar In	29781	Colorado S
13	529518183	AccuCode	29641	Thame
14	508101965	TRX	34920	Zuerich

4. עדכון גרסה של ציוד טכנולוגיה

לפני:

```
select * from TECHNOLOGY ;
```

	TVERSION	EQID
1	11	39733
2	25	8900
3	27	13449
4	31	8527
5	35	23244
6	49	2206
7	71	34400

אחרי:

```
UPDATE TECHNOLOGY
SET TVERSION= 43
WHERE EQID=39733;

select * from TECHNOLOGY ;
```

	TVERSION	EQID
1	25	8900
2	27	13449
3	31	8527
4	35	23244
5	43	39733
6	49	2206
7	71	34400

פקודת Select -

1. רשימת כל העובדים במחלקת רכש, שם פרטי+משפחה:

```
select EFIRST,ELAST from employee
```

	EFIRST	ELAST
1	Cledus	Green
2	Nickel	Rhames
3	Lynette	Uggams
4	Cyndi	Marx
5	Ron	Gough
6	Maceo	Matarazzo
7	Kevn	Singletary
8	Clive	Craven
9	Marie	Close
10	Dustin	O'Hara
11	Nicole	Squier
12	Ashton	Guinness
13	Sander	Gary
14	Sylvester	Fraser

בס"ד

2. רשימת מזהה הזמנה של הזמנות שבוצעו כאשר הכמות שלהם 3 ומעלה.

לפני:

```
select OID from MY_ORDER
```

	OID
1	1065
2	1241
3	1556
4	1698
5	1852
6	2094
7	2302
8	2460
9	2584
10	3075
11	3628
12	3671
13	3853
14	3990
15	4615
16	4619
17	4655
18	5638
19	5640
20	7019
21	7098
22	7926
23	8192
24	8266
25	8729

אחרי:

```
select OID from MY_ORDER WHERE QUANTITY >2
```

	OID
1	5638
2	2302
3	9719
4	7098
5	9420
6	5640
7	3990
8	3671
9	8266
10	3628
11	1852
12	9626
13	8729
14	1698
15	2460
16	8744
17	9478
18	4655

בס"ד
3. שמות הספקים של מחלקה

```
select SNAME from SUPPLIER
```

	SNAME
1	Pan-Pacifi
2	Greene Cou
3	Benecon Gr
4	Fiberlink
5	AQuickDeli
6	Black Moun
7	TRX
8	Angie's Li
9	Diamond Gr
10	Service So
11	Strategic
12	Eze Castle
13	SimStar In
14	AccuCode

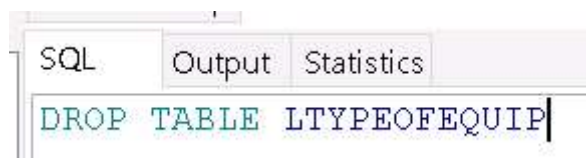
4. פירוט הזמנות שבוצעו עד כה

```
select * from SUPPLIER
```

	SPHONE	SNAME	SID	SCITY
1	569998627	Pan-Pacifi	44099	Herne
2	573528205	Greene Cou	28995	Brussel
3	566454496	Benecon Gr	15736	Luedensche
4	531357242	Fiberlink	45786	Fremont
5	533019945	AQuickDeli	23715	Rimini
6	536024515	Black Moun	24192	St Kilda
7	508101965	TRX	34920	Zuerich
8	523281339	Angie's Li	10718	Pacific Gr
9	563988067	Diamond Gr	13918	Milton
10	558790748	Service So	42454	Belo Horiz
11	566917244	Strategic	47021	Amsterdam
12	528216821	Eze Castle	21344	Rozenburg
13	514182139	SimStar In	29781	Colorado S
14	529518183	AccuCode	29641	Thame

פקודת Drop

```
-- --Drop Table : 'LTYPEOFEQUIP '
-- DROP TABLE LTYPEOFEQUIP /
```

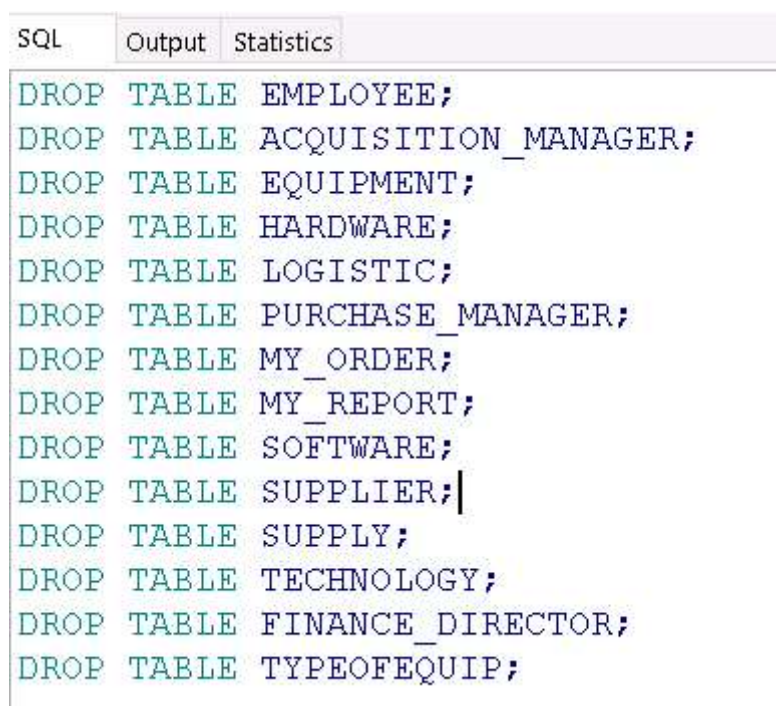


```
-- --Drop Table : 'EMPLOYEE '
-- DROP TABLE 'EMPLOYEE /
```

```
-- --Drop Table : 'ACQUISITION_MANAGER'
-- DROP TABLE ACQUISITION_MANAGER/
```

```
-- --Drop Table : 'PURCHASE_MANAGER'
-- DROP TABLE PURCHASE_MANAGER/
```

```
-- --Drop Table : 'MY_ORDER'
-- DROP TABLE MY_ORDER/
```



פקודות Insert

Insert to SUPPLIER table

```

SELECT * FROM HARDWARE
SUPPLIER.gd x

insert into ASHLOSBE.SUPPLIER (SPHONE, SNAME, SID, SCITY)
values ('512537758', 'North Amer', 28206, 'Drogenbos');

insert into ASHLOSBE.SUPPLIER (SPHONE, SNAME, SID, SCITY)
values ('508666116', 'Sunstream', 30068, 'Brasilia');

insert into ASHLOSBE.SUPPLIER (SPHONE, SNAME, SID, SCITY)
values ('546145838', 'Simply Cer', 13773, 'Heiligenha');

insert into ASHLOSBE.SUPPLIER (SPHONE, SNAME, SID, SCITY)
values ('518212027', 'Cima Consu', 25665, 'Tyne & Wea');

insert into ASHLOSBE.SUPPLIER (SPHONE, SNAME, SID, SCITY)
values ('560052960', 'Sara Lee C', 45550, 'Bay Shore');

insert into ASHLOSBE.SUPPLIER (SPHONE, SNAME, SID, SCITY)
values ('541953101', 'Keith Comp', 18399, 'Hochwald');

insert into ASHLOSBE.SUPPLIER (SPHONE, SNAME, SID, SCITY)
values ('559992757', 'MQ Softwar', 29066, 'Porto aleg');

insert into ASHLOSBE.SUPPLIER (SPHONE, SNAME, SID, SCITY)
values ('577675942', 'Telwares C', 16748, 'Canal Winc');

insert into ASHLOSBE.SUPPLIER (SPHONE, SNAME, SID, SCITY)
values ('553498180', 'Sandy Spri', 32762, 'Gliwice');

insert into ASHLOSBE.SUPPLIER (SPHONE, SNAME, SID, SCITY)
values ('522476133', 'AccuCode', 11454, 'Atlanta');

insert into ASHLOSBE.SUPPLIER (SPHONE, SNAME, SID, SCITY)
values ('533209909', 'Canterbury', 35647, 'Fremont');

```

Insert to LOGISTIC table

```

SELECT * FROM ACQUISITION_ ...
FINANACE_MANAGER.gd x

insert into ASHLOSBE.LOGISTIC (EQID)
values (23244);

insert into ASHLOSBE.LOGISTIC (EQID)
values (1046);

insert into ASHLOSBE.LOGISTIC (EQID)
values (18558);

insert into ASHLOSBE.LOGISTIC (EQID)
values (12970);

insert into ASHLOSBE.LOGISTIC (EQID)
values (6874);

insert into ASHLOSBE.LOGISTIC (EQID)
values (40472);

insert into ASHLOSBE.LOGISTIC (EQID)
values (29996);

commit;

```

Insert to MY_REPORT table

```

Data Generator x
insert into ASHLOSBE.MY_REPORT (REPORTID, OID)
values ('GR-63', 9719);

insert into ASHLOSBE.MY_REPORT (REPORTID, OID)
values ('MP-38', 3990);

insert into ASHLOSBE.MY_REPORT (REPORTID, OID)
values ('TY-71', 1556);

insert into ASHLOSBE.MY_REPORT (REPORTID, OID)
values ('DV-13', 4619);

insert into ASHLOSBE.MY_REPORT (REPORTID, OID)
values ('MR-26', 5640);

insert into ASHLOSBE.MY_REPORT (REPORTID, OID)
values ('AZ-27', 1241);

insert into ASHLOSBE.MY_REPORT (REPORTID, OID)
values ('CA-23', 9420);

insert into ASHLOSBE.MY_REPORT (REPORTID, OID)
values ('ZG-51', 2584);

```

Insert to EMPLOYEE table

```

insert into ASHLOSBE.EMPLOYEE (EPHONE, EID, ELAST, EFIRST)
values ('0564249155', 291422897, 'Mould', 'Cameron');

insert into ASHLOSBE.EMPLOYEE (EPHONE, EID, ELAST, EFIRST)
values ('0533551013', 247116087, 'Gill', 'Val');

insert into ASHLOSBE.EMPLOYEE (EPHONE, EID, ELAST, EFIRST)
values ('0583889457', 249625252, 'Young', 'Katie');

insert into ASHLOSBE.EMPLOYEE (EPHONE, EID, ELAST, EFIRST)
values ('0562333230', 250894433, 'Klein', 'Liam');

insert into ASHLOSBE.EMPLOYEE (EPHONE, EID, ELAST, EFIRST)
values ('0565584901', 236945507, 'Wopat', 'Dylan');

insert into ASHLOSBE.EMPLOYEE (EPHONE, EID, ELAST, EFIRST)
values ('0534564784', 294009778, 'Landau', 'Johnnie');

insert into ASHLOSBE.EMPLOYEE (EPHONE, EID, ELAST, EFIRST)
values ('0586113027', 215772846, 'Favreau', 'Karon');

insert into ASHLOSBE.EMPLOYEE (EPHONE, EID, ELAST, EFIRST)
values ('0578544241', 206420270, 'Glover', 'Patti');

insert into ASHLOSBE.EMPLOYEE (EPHONE, EID, ELAST, EFIRST)
values ('0545039035', 259171500, 'Holm', 'Chant');

insert into ASHLOSBE.EMPLOYEE (EPHONE, EID, ELAST, EFIRST)
values ('0536106850', 214989585, 'Church', 'Roddy');

insert into ASHLOSBE.EMPLOYEE (EPHONE, EID, ELAST, EFIRST)
values ('0570604453', 231154186, 'Redford', 'Walter');

```

הכנסת נתונים באמצעות Data generator

SUPPLIER לטבלה

SUPPLIER					
Owner		Table		Number of records	
ASHLOSBE		SUPPLIER		14	
Name	Type	Size	Data	Master	
SPHONE	VARCHAR2	10	Random(0500000000, 0580000000)	...	▼
SNAME	VARCHAR2	10	Company	...	▼
SID	NUMBER		Random(10000, 50000)	...	▼
SCITY	VARCHAR2	10	City	...	▼
*				...	▼

SELECT * FROM SUPPLIER

SUPPLIER.gd

SQL

Output

Statistics

SELECT * FROM SUPPLIER

הכנסה לטבלה EMPLOYEE


EMPLOYEE					
Owner		Table		Number of records	
ASHLOSBE		EMPLOYEE		14	
Name	Type	Size	Data	Master	
EPHONE	VARCHAR2	10	Random(0500000000,0580000000)	...	▼
EID	NUMBER		Random(1000000000,3100000000)	...	▼
ELAST	VARCHAR2	10	LastName	...	▼
EFIRST	VARCHAR2	10	FirstName	...	▼
*				...	▼

SQL

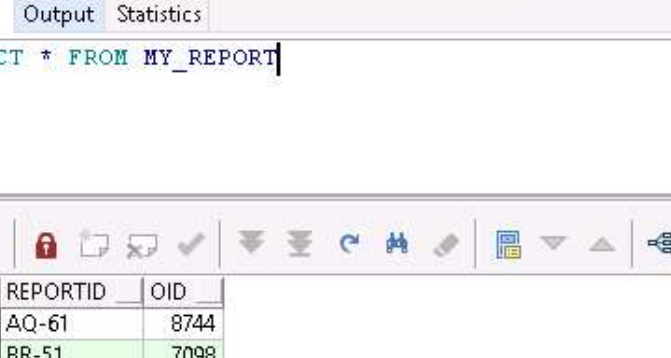
Output

Statistics

SELECT * FROM EMPLOYEE

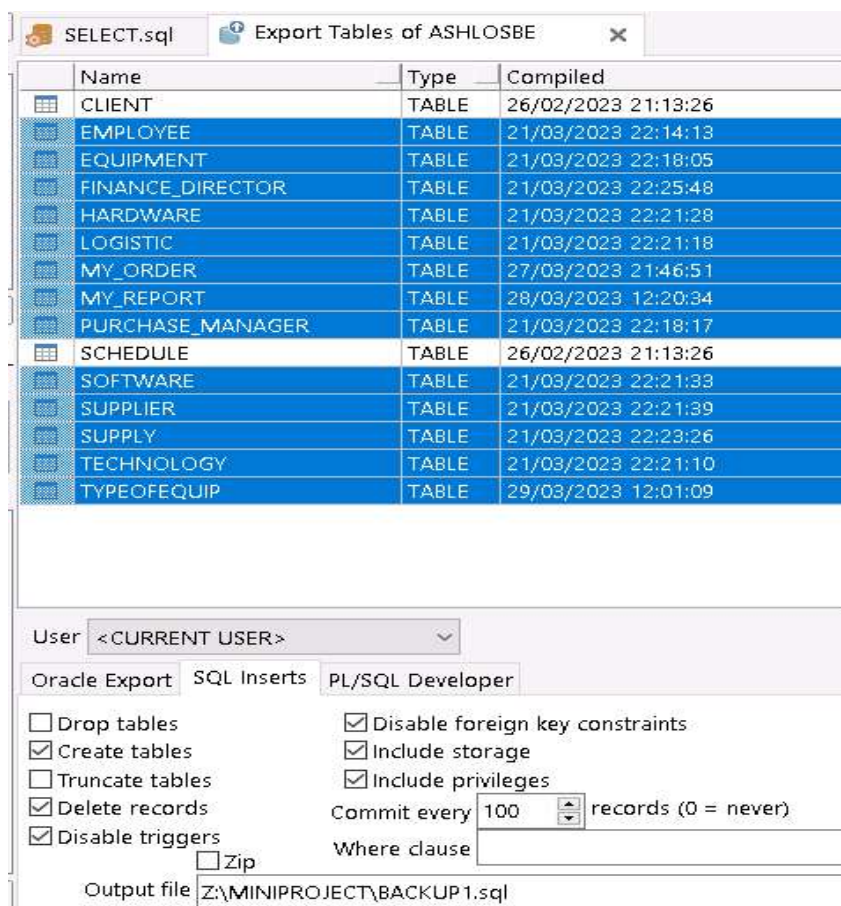


		EPHONE	EID	ELAST	EFIRST
▶	1	521800266	274134704	Green	Cledus
	2	530394969	287675767	Rhames	Nickel
	3	552857119	127189006	Uggams	Lynette
	4	513200673	133236037	Marx	Cyndi
	5	514133742	137872045	Gough	Ron
	6	508459956	178663728	Matarazzo	Maceo
	7	504932960	247404506	Singletary	Kevn
	8	567314025	264620748	Craven	Clive
	9	525382795	263462761	Close	Marie
	10	536651153	189074299	O'Hara	Dustin
	11	537530213	242034338	Squier	Nicole
	12	562700437	226964856	Guinness	Ashton
	13	571434877	199898395	Gary	Sander
	14	519625541	140499124	Fraser	Sylvester

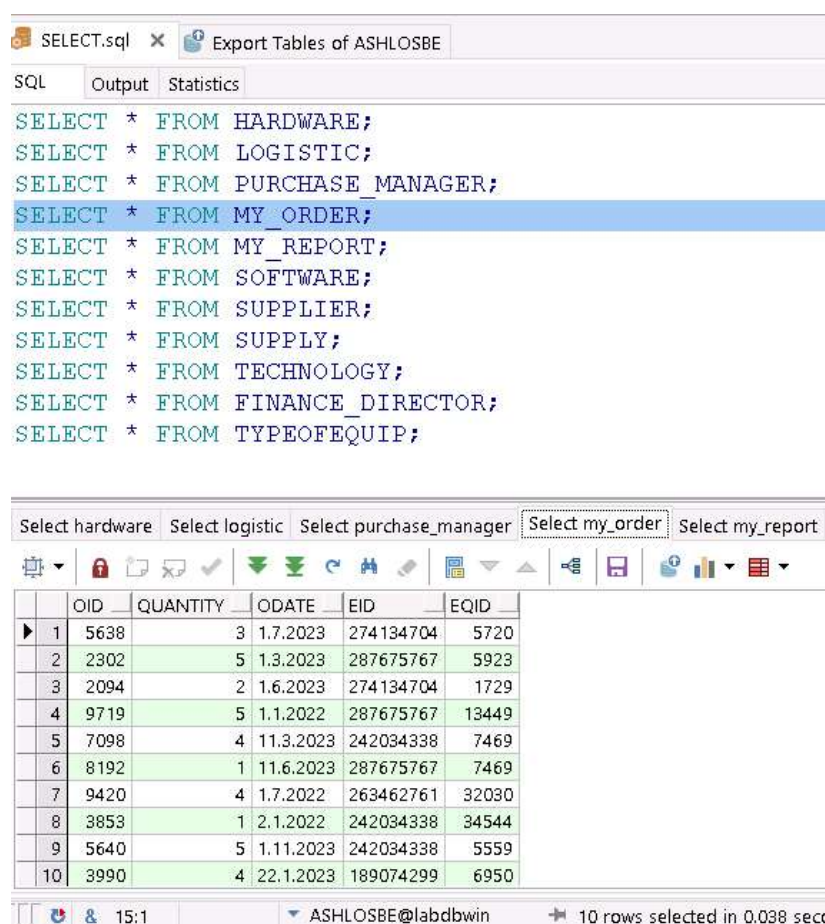


The screenshot shows a PostgreSQL GUI with two tabs: 'EMPLOYEE.gd' and 'MY_REPORT.gd'. The 'SQL' tab is active, displaying the query: `SELECT * FROM MY_REPORT`. Below the query editor is a toolbar with various icons. The results pane shows a table with three columns: an index, 'REPORTID', and 'OID'. The table contains 15 rows of data, with the 'REPORTID' and 'OID' columns highlighted in green.

	REPORTID	OID
1	AQ-61	8744
2	BR-51	7098
3	CF-54	8192
4	ET-67	3990
5	FI-79	2094
6	FT-29	4619
7	GS-56	3671
8	IS-13	2584
9	KH-57	3853
10	MX-18	9626
11	PS-22	2460
12	QU-65	2302
13	WT-97	8729
14	WX-64	1241
15	YV-71	8266



נראה כאן שכל הטבלאות נמצאות:



בס"ד
כעת נמחק את הטבלאות:

SQL	Output	Statistics
<pre> DROP TABLE EMPLOYEE; DROP TABLE ACQUISITION_MANAGER; DROP TABLE EQUIPMENT; DROP TABLE HARDWARE; DROP TABLE LOGISTIC; DROP TABLE PURCHASE_MANAGER; DROP TABLE MY_ORDER; DROP TABLE MY_REPORT; DROP TABLE SOFTWARE; DROP TABLE SUPPLIER; DROP TABLE SUPPLY; DROP TABLE TECHNOLOGY; DROP TABLE FINANCE_DIRECTOR; DROP TABLE TYPEOFEQUIP; </pre>		

שחזור

SELECT.sql		SQL Window		Import Tables	
Oracle Import		SQL Inserts		PL/SQL Developer	
<input checked="" type="checkbox"/> Analyze	Statistics	Always			
<input type="checkbox"/> Commit	Buffer size (KB)	30			
<input checked="" type="checkbox"/> Constraints	From User				
<input checked="" type="checkbox"/> Grants	To User				
<input checked="" type="checkbox"/> Ignore	Import Executable	C:\app\client\Adminis			
<input checked="" type="checkbox"/> Indexes					
<input checked="" type="checkbox"/> Rows					
<input type="checkbox"/> Show					
Import file					
Z:\MINIPROJECT\BACKUP1_1.SQL					

בס"ד

דוגמא לשחזור גיבוי:

טבלת EMPLOYEE במלואה:

SELECT.sql		DELETE FROM EMPLOYEE WHERE ...	Import Tables
SQL	Output	Statistics	
SELECT * FROM EMPLOYEE;			

	EPHONE	EID	ELAST	EFIRST
1	521800266	274134704	Green	Cledus
2	530394969	287675767	Rhames	Nickel
3	552857119	127189006	Uggams	Lynette
4	513200673	133236037	Marx	Cyndi
5	514133742	137872045	Gough	Ron
6	508459956	178663728	Matarazzo	Maceo
7	504932960	247404506	Singletary	Kevn
8	567314025	264620748	Craven	Clive
9	525382795	263462761	Close	Marie
10	536651153	189074299	O'Hara	Dustin
11	537530213	242034338	Squier	Nicole
12	562700437	226964856	Guinness	Ashton
13	571434877	199898395	Gary	Sander
14	519625541	140499124	Fraser	Sylvester

ביצוע מחיקת הרשומה ה-14 לפי הפקודה הבאה:

```
DELETE FROM EMPLOYEE WHERE EID=140499124;
```


בס"ד
לאחר המחיקה:

SELECT * FROM EMPLOYEE

	EPHONE	EID	ELAST	EFIRST
1	521800266	274134704	Green	Cledus
2	530394969	287675767	Rhames	Nickel
3	552857119	127189006	Uggams	Lynette
4	513200673	133236037	Marx	Cyndi
5	514133742	137872045	Gough	Ron
6	508459956	178663728	Matarazzo	Maceo
7	504932960	247404506	Singletery	Kevn
8	567314025	264620748	Craven	Clive
9	525382795	263462761	Close	Marie
10	536651153	189074299	O'Hara	Dustin
11	537530213	242034338	Squier	Nicole
12	562700437	226964856	Guinness	Ashton
13	571434877	199898395	Gary	Sander

נשחזר:

SELECT.sql SELECT * FROM EMPLOYEE Import Tables Import Tables x

Oracle Import SQL Inserts PL/SQL Developer Log

☒ Analyze ☐ Commit ☒ Constraints ☒ Grants ☒ Ignore ☒ Indexes ☒ Rows ☐ Show

Statistics Always

Buffer size (KB) 30

From User


To User

Import Executable C:\app\client\Adminis

3

Import file
Z:\MINIPROJECT\BACKUP1_1.SQL

השחזור בוצע בהצלחה - חזרנו לטבלת המקור

SQL					
Output					
Statistics					
SELECT * FROM EMPLOYEE;					
					
		EPHONE	EID	ELAST	EFIRST
▶ 1	521800266	274134704	Green	Cledus	
2	530394969	287675767	Rhames	Nickel	
3	552857119	127189006	Uggams	Lynette	
4	513200673	133236037	Marx	Cyndi	
5	514133742	137872045	Gough	Ron	
6	508459956	178663728	Matarazzo	Maceo	
7	504932960	247404506	Singletary	Kevn	
8	567314025	264620748	Craven	Clive	
9	525382795	263462761	Close	Marie	
10	536651153	189074299	O'Hara	Dustin	
11	537530213	242034338	Squier	Nicole	
12	562700437	226964856	Guinness	Ashton	
13	571434877	199898395	Gary	Sander	
14	519625541	140499124	Fraser	Sylvester	