

מיני פרויקט- בסיסי נתונים

שם הארגון: מגן דוד אדום

מחלקת קורסים ועזרה ראשונה

מגישות: תהילה בן משה - 213385263

מרים פרץ - 322241100

תוכן עניינים

מבוא

מבוא

תיאור הארגון

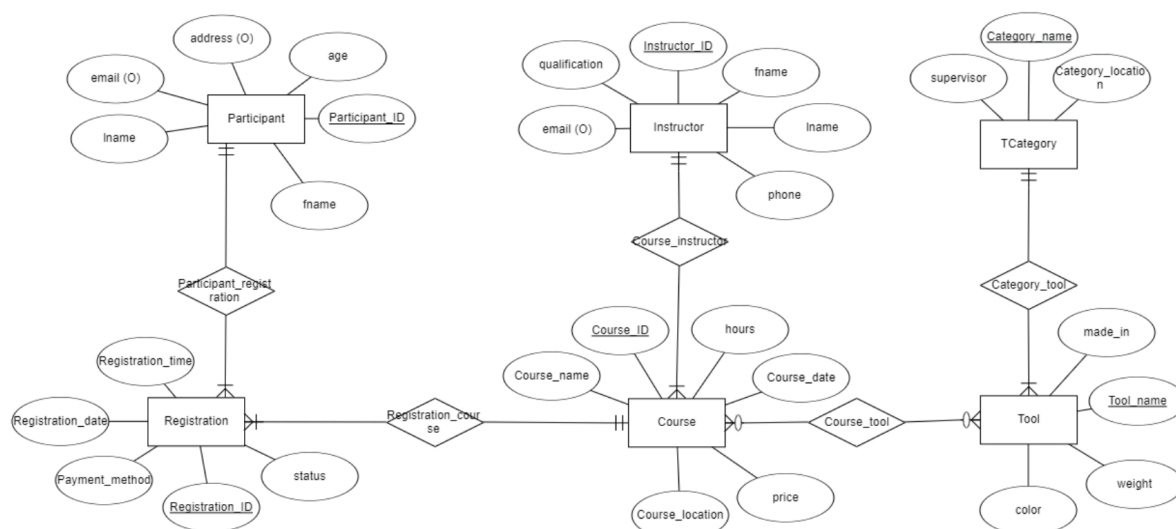
מד"א-מגן דוד אדום הוא ארגון חירום רפואי הקיים בישראל ומספק שירותי חירום רפואיים לתושבי המדינה. הארגון מפעיל רשת של מתנדבים ובעלי מקצוע בתחום המעניקים טיפול רפואי מתקדם באירועי חירום כגון תאונות, פציעות וכו'. מגן דוד אדום פועל בתיאום עם מערכת הבריאות הציבורית ומהווה חלק בלתי נפרד מהמערך הרפואי של המדינה.

מחלקת קורסים ועזרה ראשונה במד"א מציעה תכנים מקיפים ללמידה והכשרה בתחום רפואת החירום. הקורסים כוללים הכשרה במתן טיפול ראשוני בשטח, החיאה, טיפול בפציעות חריפות, לידות, התרמות דם ועוד. הקורסים מיועדים למתנדבים, לצוותי המד"א וכן לאזרח הפרטי, מועברים ע"י מדריכים מוסמכים ומספקים ידע וכישורים לטיפול מהיר ויעיל בתנאי חירום רפואיים.

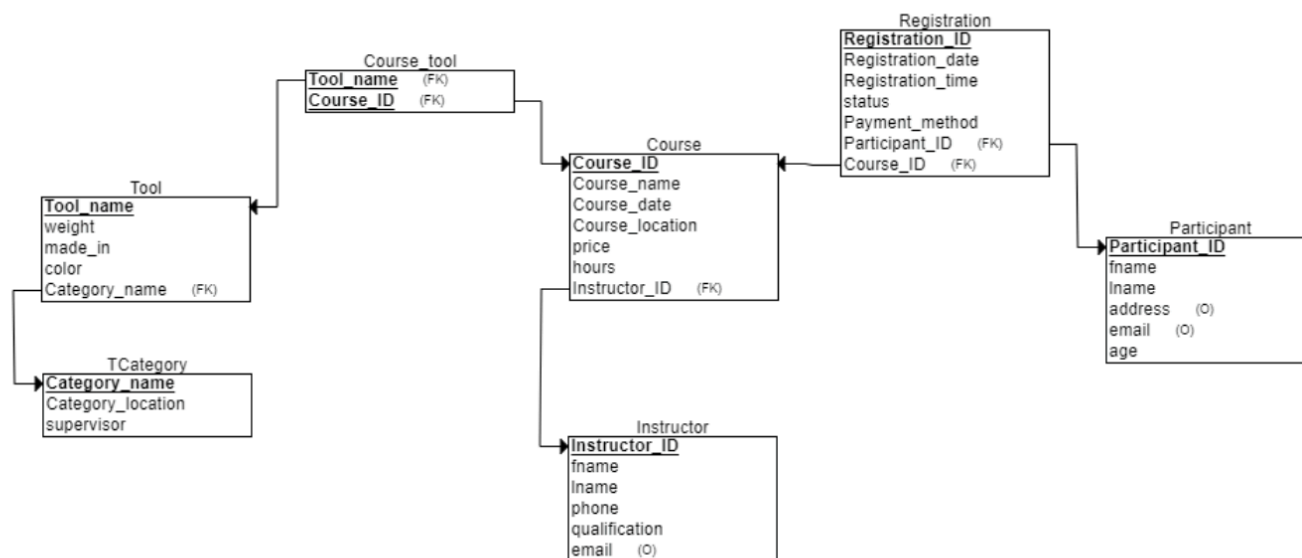
היישויות במחלקה שלנו הן:

- קורס (Course)
- משתתף (Participant)
- הרשמה לקורס (Registration)
- מדריך (Instructor)
- ציוד רפואי (Tool)
- סוג הציוד הרפואי (TCategory)

תרשים ERD



תרשים DSD



תיאור הישויות והקשרים ביניהם

כל משתתף המעוניין בקורס צריך קודם להירשם אליו. לכן הישויות 'הרשמה' מקשרת בין המשתתף לקורס בקשר של יחיד לרבים- משתתף אחד לכמה קורסים. הישות 'משתתף' מורכבת מכל הפרטים שיש לדעת עליו כגון שם, כתובת אימייל, גיל וכו'. הישות 'הרשמה' אחראית על תהליך הרישום ולכן כוללת תאריך רישום, שיטת תשלום ועוד.

גם 'קורס' מחובר ל 'הרשמה'. בקשר זה- כל הרשמה יכולה להיות לקורס אחד בלבד, אך לכל קורס יכול להיות כמה הרשמות, לכן גם כאן הקשר יהיה יחיד לרבים. ישות 'קורס' מכילה את הפרטים שיש לדעת על הקורס כולל מזהה קורס, מחיר, מיקום, תאריך, מס' שעות וכו'.

'קורס' מחובר גם ליישות 'מדריך' וכן ליישות 'כלי' (אביזרי הציוד הרפואי). כל קורס מועבר ע"י מדריך אחד אך כל מדריך יכול להדריך כמה קורסים (קשר יחיד לרבים).

בכל קורס יש שימוש במגוון רחב של ציוד רפואי ועזרה ראשונה. לכן נחבר אליו יישות של TOOL. יישות 'Tool' כוללת את שם האביזר הרפואי. משקל, צבע וארץ ייצור. הקשר בין הקורס ל 'Tool' הינו קשר של רבים לרבים- כל קורס יכול להשתמש במספר אביזרים וכל אביזר יכול להשתתף לכמה קורסים. לכן ביצירת הטבלאות, תיווצר לנו טבלה המתארת את הקשר ביניהם בשם 'Course_tool' אשר מכילה שני מפתחות זרים, אחד ליישות 'Course', והשני ליישות 'Tool'.

בנוסף, הכנסנו יישות נוספת שקשורה לציוד והיא 'TCategory'. יישות זו כוללת את הקטגוריה אליה שייך האביזר הספציפי, מציינת היכן הוא ממוקם בסניפי מד"א השונים הפרוסים בארץ וכן את שם האחראי על קטגוריה זו.

הפעלת פקודת desc. על הטבלאות השונות:

```
Connected to Oracle Database 11g Express Edition Release 11.2.0.2.0
Connected as tehila@XE AS SYSDBA
```

```
SQL> desc Course
```

Name	Type	Nullable	Default	Comments
COURSE_ID	NUMBER(5)			
COURSE_NAME	VARCHAR2(25)			
COURSE_DATE	DATE			
COURSE_LOCATION	VARCHAR2(25)			
PRICE	FLOAT			
HOURS	NUMBER(3)			
INSTRUCTOR_ID	NUMBER(9)			

```
SQL> desc Course_Tool
```

Name	Type	Nullable	Default	Comments
TOOL_NAME	VARCHAR2(35)			
COURSE_ID	NUMBER(5)			

```
SQL> desc Registration
```

Name	Type	Nullable	Default	Comments
REGISTRATION_DATE	DATE			
REGISTRATION_TIME	VARCHAR2(5)			
STATUS	VARCHAR2(15)			
REGISTRATION_ID	NUMBER(5)			
PAYMENT_METHOD	VARCHAR2(15)			
PARTICIPANT_ID	NUMBER(9)			
COURSE_ID	NUMBER(5)			

```
SQL> desc Tool
```

Name	Type	Nullable	Default	Comments
WEIGHT	FLOAT			
TOOL_NAME	VARCHAR2(55)			
MADE_IN	VARCHAR2(50)			
COLOR	VARCHAR2(15)			
CATEGORY_NAME	VARCHAR2(50)			

```
SQL> desc TCategory
```

Name	Type	Nullable	Default	Comments
CATEGORY_LOCATION	VARCHAR2(90)			
CATEGORY_NAME	VARCHAR2(90)			
SUPERVISOR	VARCHAR2(50)			

```
SQL> desc Participant
```

Name	Type	Nullable	Default	Comments
PARTICIPANT_ID	NUMBER(9)			
FNAME	VARCHAR2(50)			
LNAME	VARCHAR2(50)			
ADDRESS	VARCHAR2(50) Y			
EMAIL	VARCHAR2(50) Y			
AGE	NUMBER(3)			

```
SQL> desc Instructor
```

Name	Type	Nullable	Default	Comments
INSTRUCTOR_ID	NUMBER(9)			
FNAME	VARCHAR2(15)			
LNAME	VARCHAR2(15)			
PHONE	NUMBER(10)			
QUALIFICATION	VARCHAR2(20)			
EMAIL	VARCHAR2(25) Y			

הכנסת הנתונים לטבלאות

השתמשנו ב-3 דרכים כדי ליצור ולהכניס את הנתונים לטבלאות שלנו:

1. שימוש ב-data generator

הכנסת נתוני מדריך (Instructor):

הכנסת נתוני קורס (Course):

The screenshot shows the SQL Developer interface. On the left, the 'Connections' pane lists several connections, with 'tehila@XE' selected. Below it, a tree view shows 'dropTables', 'SQL Window - createTable.sql', 'SQL Window - selectAll.sql', 'Data Generator - registration GD.gd', 'Text Importer - participant.csv', 'Export Tables', 'Data Generator - course GD.gd', and 'Data Generator - instructor GD.gd'. The main area displays the 'COURSE' table details. It includes a summary row showing the owner as 'TEHILA', the table name as 'COURSE', and the number of records as 520. Below this is a detailed table structure with columns: NAME, TYPE, SIZE, and DATA. The rows are: COURSE_ID NUMBER(5) Random(1000, 1500); COURSE_NAIVARCHAI VARCHAR2(25) List('Basic First Aid', 'CPR', 'Advanced Cardiac Life Support', 'Pediatric Advanced Life Support', 'First Aid for Trauma Injuries', 'Wilderness First Aid', ''); COURSE_DAT DATE Random(1/5/2024, 1/5/2025); COURSE_LOC VARCHAI VARCHAR2(25) List('Jerusalem', 'Tel Aviv', 'Beersheva', 'Eilat', 'Netanya', 'Rishon LeZion', 'Petah-Tikva', 'Ashdod', 'Ashkelon', 'Tiberias', 'Herzliya', 'Mod'in', ''); PRICE FLOAT(22) Random(350,5000); HOURS NUMBER(3) Random(1, 30); INSTRUCTORNUMBER NUMBER(9) List(select Instructor_ID from Instructor).

הכנסת נתוני הרשמה לקורס (Registration):

The screenshot shows the DBeaver interface. On the left, the 'Connections' panel lists several connections, with 'tehila@XE' selected. Below it, a list of recent queries is visible. The main editor area displays the 'REGISTRATION' table structure. The table has four columns: 'Name', 'Type', 'Size', and 'Data'. The data rows show details for the 'REGISTRATION' table, including a list of random dates and a list of registration statuses.

Name	Type	Size	Data
REGISTRATIC DATE			Random(1/6//2024, 1/6/2025)
REGISTRATIC VARCHAI	5		List(8:00', '8:25', '8:30', '8:55', '9:00', '9:25', '9:30', '9:55', '10:00', '10:25', '10:30', '10:55', '11:00', '11:25', '11:30', '11:55', '12:00', '12:25', '12:30', '12:55')
STATUS	VARCHAI	15	List('registered successfully', 'waiting for confirmation', 'registration failed')
REGISTRATIC NUMBER	5		Random(20000, 30000)
PAYMENT_M VARCHAI	15		List('credit', 'bank transfer', 'direct debit', 'bit')
PARTICIPANT NUMBER	9		List(select Participant_ID from Participant)
COURSE_ID NUMBER	5		List(select Course id from Course)

הכנסת נתוני Course_tool:

The screenshot shows the SQL Developer interface. On the left, the 'Connections' pane lists several connections, including 'tehila@XE'. The main window displays the 'COURSE_TOOL' table structure. The table has two columns: 'TOOL_NAME' (VARCHAR2, 35) and 'COURSE_ID' (NUMBER, 5). The 'Data' column shows the source of the data: 'List(Tool_name field from Tool)' for 'TOOL_NAME' and 'List(select Course_ID from Course)' for 'COURSE_ID'. The 'Number of records' is 600.

2. הכנסת נתונים מקבצי TXT

הכנסת נתוני TCategory:

The screenshot shows the 'Data from Textfile' dialog box. The 'General' tab is selected. The 'Owner' is 'TEHILA' and the 'Table' is 'TCATEGORY'. The 'Commit every...' is set to 0. The 'Overwrite duplicates' option is selected. The 'Fields' section shows three fields: 'Field1 -> CATEGORY_LOCATION (VARCHAR2)', 'Field2 -> CATEGORY_NAME (VARCHAR2)', and 'Field3 -> SUPERVISOR (VARCHAR2)'. The 'Result Preview' section shows a table with three columns: 1, 2, and 3. The data is as follows:

1	2	3
'A supply warehouse'	'Bandaging Supplies'	'John Smith'
'Training Room'	'Wound Care Products'	'Emily Johnson'
'Storage Room 1'	'Diagnostic Instruments'	'Michael Brown'
'Storage Room 2'	'Emergency Resuscitation Equipment'	'Sarah Wilson'
'Storage Room 3'	'Personal Protective Equipment (PPE)'	'David Martinez'
'Storage Room 4'	'Medications and Pharmaceuticals'	'Jessica Lee'
'A supply warehouse'	'Orthopedic Aids'	'Alex Turner'
'Training Room'	'Respiratory Equipment'	'Jennifer Garcia'
'Storage Room 1'	'Surgical Instruments'	'Daniel Thompson'
'Storage Room 2'	'Patient Monitoring Devices'	'Olivia Davis'
'Storage Room 3'	'Fluid Administration Equipment'	'William Rodriguez'
'Storage Room 4'	'Emergency Transportation Aids'	'Sophia Hernandez'

The screenshot shows the 'TCategory' table in SQL Developer. The table contains the following data:

'A supply warehouse'	'Bandaging Supplies'	'John Smith'
'Training Room'	'Wound Care Products'	'Emily Johnson'
'Storage Room 1'	'Diagnostic Instruments'	'Michael Brown'
'Storage Room 2'	'Emergency Resuscitation Equipment'	'Sarah Wilson'
'Storage Room 3'	'Personal Protective Equipment (PPE)'	'David Martinez'
'Storage Room 4'	'Medications and Pharmaceuticals'	'Jessica Lee'
'A supply warehouse'	'Orthopedic Aids'	'Alex Turner'
'Training Room'	'Respiratory Equipment'	'Jennifer Garcia'
'Storage Room 1'	'Surgical Instruments'	'Daniel Thompson'
'Storage Room 2'	'Patient Monitoring Devices'	'Olivia Davis'
'Storage Room 3'	'Fluid Administration Equipment'	'William Rodriguez'
'Storage Room 4'	'Emergency Transportation Aids'	'Sophia Hernandez'
'A supply warehouse'	'Rehabilitation and Mobility Aids'	'Ethan Adams'
'Training Room'	'Hygiene and Sanitation Supplies'	'Ava Campbell'
'Storage Room 1'	'Health Education Materials'	'James White'
'Storage Room 2'	'Medical Waste Disposal Supplies'	'Mia Thomas'
'Storage Room 3'	'Home Healthcare Equipment'	'Logan Parker'
'Storage Room 4'	'Occupational Health Tools'	'Isabella Wood'
'A supply warehouse'	'Mental Health Assessment Tools'	'Noah Morris'
'Training Room'	'Disaster Preparedness Kits'	'Grace Bennett'
'Storage Room 1'	'Emergency Communication Devices'	'Elijah Nelson'
'Storage Room 2'	'Eye and Ear Protection Gear'	'Charlotte Carter'
'Storage Room 3'	'Skin Care Products'	'Liam Murphy'
'Storage Room 4'	'Immunization Supplies'	'Samantha Reed'
'A supply warehouse'	'Medical Records Management Systems'	'Lucas Green'
'Training Room'	'Temperature Regulation Devices'	'Madison Rivera'
'Storage Room 1'	'Mobility Assistance Equipment'	'Aiden Brooks'
'Storage Room 2'	'Dental Care Products'	'Zoe Evans'
'Storage Room 3'	'Ostomy Supplies'	'Gabriel Ward'
'Storage Room 4'	'Pregnancy and Obstetric Care Tools'	'Natalie Diaz'
'A supply warehouse'	'Pediatric Healthcare Equipment'	'Jackson Stone'
'Training Room'	'Nutrition and Dietary Supplements'	'Lily Price'
'Storage Room 1'	'Infection Control Supplies'	'Christopher Rogers'
'Storage Room 2'	'Vital Signs Monitoring Equipment'	'Chloe Hayes'

הכנסת נתוני Tool:

```

0.5, 'Elastic Bandage', 'USA', 'Beige', 'Bandaging Supplies',
0.2, 'Gauze Roll', 'China', 'White', 'Bandaging Supplies',
0.3, 'Adhesive Tape', 'Germany', 'Clear', 'Bandaging Supplies',
0.4, 'Butterfly Closures', 'Japan', 'White', 'Bandaging Supplies',
0.1, 'Triangular Bandage', 'India', 'Beige', 'Bandaging Supplies',
0.6, 'Sterile Gauze Pads', 'USA', 'White', 'Bandaging Supplies',
0.3, 'Hydrocolloid Dressing', 'France', 'Clear', 'Wound Care Products',
0.5, 'Antiseptic Wipes', 'Italy', 'White', 'Wound Care Products',
0.4, 'Silver Nitrate Sticks', 'Spain', 'Gray', 'Wound Care Products',
0.2, 'Hydrogel Dressing', 'Canada', 'Clear', 'Wound Care Products',
0.7, 'Alcohol Swabs', 'Mexico', 'White', 'Wound Care Products',
0.4, 'Burn Relief Gel', 'USA', 'Clear', 'Wound Care Products',
0.5, 'Sterile Cotton Balls', 'China', 'White', 'Wound Care Products',
0.3, 'Diagnostic Penlight', 'Germany', 'Silver', 'Diagnostic Instruments',
0.4, 'Stethoscope', 'Japan', 'Black', 'Diagnostic Instruments',
0.2, 'Blood Pressure Cuff', 'India', 'Blue', 'Diagnostic Instruments',
0.6, 'Thermometer', 'USA', 'White', 'Diagnostic Instruments',
0.4, 'Pulse Oximeter', 'France', 'Red', 'Diagnostic Instruments',
0.7, 'CPR Mask', 'Italy', 'Clear', 'Emergency Resuscitation Equipment',
0.5, 'Bag Valve Mask', 'Spain', 'Green', 'Emergency Resuscitation Equipment',
0.3, 'Defibrillator Pads', 'Canada', 'White', 'Emergency Resuscitation Equipment',
0.4, 'Rescue Breathing Barrier', 'Mexico', 'Clear', 'Emergency Resuscitation Equipment',
0.5, 'N95 Respirator', 'USA', 'White', 'Personal Protective Equipment',
0.2, 'Surgical Gown', 'China', 'Blue', 'Personal Protective Equipment',
0.3, 'Face Shield', 'Germany', 'Clear', 'Personal Protective Equipment'

```

Data from Textfile Data to Oracle

General

Owner: Table: ☐ Clear Table

Commit every...: ☒ Overwrite duplicates ☐ Ignore duplicates

Initializing Script:

Finalizing Script:

Fields

Field1 -> WEIGHT (FLOAT)
Field2 -> TOOL_NAME (VARCHAR2)
Field3 -> MADE_IN (VARCHAR2)
Field4 -> COLOR (VARCHAR2)
Field5 -> CATEGORY_NAME (VARCHAR2)

Result Preview

1	2	3	4	5
0.5	'Elastic Bandage'	'USA'	'Beige'	'Bandaging Supplies'
0.2	'Gauze Roll'	'China'	'White'	'Bandaging Supplies'
0.3	'Adhesive Tape'	'Germany'	'Clear'	'Bandaging Supplies'
0.4	'Butterfly Closures'	'Japan'	'White'	'Bandaging Supplies'
0.1	'Triangular Bandage'	'India'	'Beige'	'Bandaging Supplies'
0.6	'Sterile Gauze Pads'	'USA'	'White'	'Bandaging Supplies'
0.3	'Hydrocolloid Dressing'	'France'	'Clear'	'Wound Care Products'
0.5	'Antiseptic Wipes'	'Italy'	'White'	'Wound Care Products'
0.4	'Silver Nitrate Sticks'	'Spain'	'Gray'	'Wound Care Products'
0.2	'Hydrogel Dressing'	'Canada'	'Clear'	'Wound Care Products'
0.7	'Alcohol Swabs'	'Mexico'	'White'	'Wound Care Products'
0.4	'Burn Relief Gel'	'USA'	'Clear'	'Wound Care Products'
0.5	'Sterile Cotton Balls'	'China'	'White'	'Wound Care Products'
0.3	'Diagnostic Penlight'	'Germany'	'Silver'	'Diagnostic Instruments'

3. הכנסת נתונים ע"י תוכנת makaroo

עבור טבלת participant:

Field Name	Type	Options
id	Row Number	blank: 0 % Σ ×
first_name	First Name	blank: 0 % Σ ×
last_name	Last Name	blank: 0 % Σ ×
address	Street Address	blank: 0 % Σ ×
email	Email Address	blank: 0 % Σ ×
age	Number	min: 16 max: 50 decimals: 0 blank: 0 % Σ ×

ייצוא לקובץ Excel והכנסה לSQL:

F	E	D	C	B	A	
6	5	4	3	2	1	1
69 jindgs0@g	187 Kinsm	Indgs	Mab	726035435	2	
60 gdumbrill1	031 Jay St	Dumbrill	Tabor	995883453	3	
25 adaine2@r	32 Garriso	Daine	Boycie	886971084	4	
49 crosingdall	93 Eggend	Rosingdall	Georgeanr	903435797	5	
60 boxbrough	10 Monterey	Oxbrough	Heidie	233036574	6	
39 eaarons5@	4135 Davic	Aarons	Fiona	829372355	7	
62 mmaddam	270 Fulton	Maddams	Eula	780737316	8	
49 gnaphthine	725 Truax P	Naphthine	Olia	663371635	9	
39 cwoolbrook	59 Schurz	Woolbrook	Noah	221622933	10	
70 gtorrese9@	352 Longvi	Torrese	Andromac	187690629	11	
67 ggirala@n	288 Kings	Giral	Hillier	700841066	12	
58 jaynsleyb@	9 Schlimg	Aynsley	Alys	717852483	13	
57 bheelisc@	94 Stought	Heelis	Bettine	860432693	14	
45 dgallierd@	7472 Wast	Gallier	Virginie	383651867	15	

Data from Textfile Data to Oracle

General

Owner: Table: ☐ Clear Table

Commit every... ☒ Overwrite duplicates ☐ Ignore duplicates

Initializing Script

Finalizing Script

Fields

Field1 1 -> PARTICIPANT_ID (NUMBER)
 Field2 2 -> FNAME (VARCHAR2)
 Field3 3 -> LNAME (VARCHAR2)
 Field4 4 -> ADDRESS (VARCHAR2)
 Field5 5 -> EMAIL (VARCHAR2)
 Field6 6 -> AGE (NUMBER)

Result Preview

1	2	3	4	5	6
419243268	Mab	Indgs	187 Kinsman Center	jindgs0@google.co.uk	70
504018726	Tabor	Dumbrill	031 Jay Street	gdumbrill1@google.cn	38
774239595	Boycie	Daine	32 Garrison Alley	adaine2@nytimes.com	39
435781343	Georgeanne	Rosingdall	93 Eggendart Parkway	crosingdall3@newsvine.com	68
586890466	Heidie	Oxbrough	10 Monterey Crossing	boxbrough4@youku.com	38
151316118	Fiona	Aarons	4135 David Street	eaarons5@baidu.com	30
449206569	Eula	Maddams	270 Fulton Road	mmaddams6@cbsnews.com	57
372228207	Olia	Naphthine	25 Truax Parkway	gnaphthine7@addthis.com	19
310109165	Noah	Woolbrook	59 Schurz Park	cwoolbrook8@bloglines.com	52
974570282	Andromache	Torrese	352 Longview Circle	gtorrese9@feedburner.com	53
859138464	Hillier	Giral	288 Kings Pass	ggirala@nydailynews.com	50

הצגת הטבלאות בעזרת פקודת select All

Connections: SQL Output Statistics

```
select * from Course
select * from Instructor
select * from Participant
select * from Course_tool
select * from Registration
select * from Tool
select * from TCategory
```

	COURSE_ID	COURSE_NAME	COURSE_DATE	COURSE_LOCATION	PRICE	HOURS	INSTRUCTOR_ID
1	1347	First Aid for Allergic Re	1/10/2024	Tiberias	3763	26	104622884
2	1007	First Aid for Heat Stroke	8/26/2024	Ashkelon	1117	22	110194140
3	1389	First Aid for Burns	5/4/2024	Tiberias	3860	22	117125199
4	1097	First Aid for Fractures a	12/28/2024	Nazareth	4180	7	108912101
5	1491	First Aid for Animal Bite	8/23/2024	Netanya	1194	12	107980308
6	1383	Advanced Cardiac Life Sup	3/19/2024	Jerusalem	2894	17	109145974
7	1299	First Aid for Animal Bite	6/26/2024	Rehovot	1095	14	106431039
8	1162	Pediatric Advanced Life S	12/30/2024	Tiberias	1238	23	107891821
9	1095	Pediatric Advanced Life S	8/8/2024	Eilat	2141	7	101585639
10	1107	Tactical First Aid	2/2/2024	Petah-Tikva	736	22	119772654
11	1254	Wilderness First Aid	3/5/2024	Lod	2455	25	112876738

Connections: SQL Output Statistics

```
select * from Course
select * from Instructor
select * from Participant
select * from Course_tool
select * from Registration
select * from Tool
select * from TCategory
```

	INSTRUCTOR_ID	FNNAME	LNNAME	PHONE	QUALIFICATION	EMAIL
1	108049315	Karen	Bracco	3466187906	nurse	k.bracco@progressivedesig
2	117823824	Nick	McBride	877745085	paramedic	nick.m@businessplus.com
3	104149875	Rebecca	Travers	3046484389	paramedic	rebecca.travers@integrate
4	114656266	Davy	Guest	980490296	intern	davy.guest@j1phor.com
5	100343350	Brad	May	1997321235	paramedic	brad.may@meritagetechnolo
6	114933226	Carrie	Burns	4020844917	nurse	carrie.burns@perfectorder
7	104106232	Alec	Raitt	1841270120	paramedic	alec.raitt@monarchcasino.
8	113036956	Benicio	Danger	2169627776	nurse	benicio@faef.ch

Connections: SQL Output Statistics

```
select * from Course
select * from Instructor
select * from Participant
select * from Course_tool
select * from Registration
select * from Tool
select * from TCategory
```

	PARTICIPANT_ID	FNNAME	LNNAME	ADDRESS	EMAIL	AGE
1	419243268	Mab	Indgs	187 Kinsman Center	jindgs0@google.co.uk	70
2	504018726	Tabor	Dumbrill	031 Jay Street	gdumbrill1@google.cn	38
3	774239595	Boycie	Daine	32 Garrison Alley	adaime2@nytimes.com	39
4	435781343	Georgianne	Rosingdall	93 Eggendart Parkway	crosgingdal3@newsvine.com	68
5	586890466	Heidie	Oxbrough	10 Monterey Crossing	boxbrough4@youku.com	38
6	151316118	Fiona	Aarons	4135 David Street	eararons5@baidu.com	30
7	449206569	Eula	Maddams	270 Fulton Road	mmaddams6@cbsnews.com	57
8	372228207	Olia	Naphthine	25 Truax Parkway	gnaphthine7@addthis.com	19
9	310109165	Noah	Woolbrook	59 Schurz Park	cwoolbrook8@bloglines.com	52
10	974570282	Andromache	Torrese	352 Longview Circle	gtorrese9@feedburner.com	53

Connections

- Imported Fixed Users
- Imported History
- Recent
 - tehila@XE
 - dropTables
 - SQL Window - createTable.sql
 - SQL Window - selectAll.sql**
 - Data Generator - registration GD.
 - Text Importer - participant.csv

Objects

Objects Files

<CURRENT USER>

All objects

course

SQL

```

select * from Course
select * from Instructor
select * from Participant
select * from Course_tool
select * from Registration
select * from Tool
select * from TCategory

```

Output

	TOOL_NAME	COURSE_ID
1	Tool_name field from Tool	1000
2	Tool_name field from Tool	1001
3	Tool_name field from Tool	1002
4	Tool_name field from Tool	1004
5	Tool_name field from Tool	1005
6	Tool_name field from Tool	1006
7	Tool_name field from Tool	1007

Connections

- Imported Fixed Users
- Imported History
- Recent
 - tehila@XE
 - dropTables
 - SQL Window - createTable.sql
 - SQL Window - selectAll.sql**
 - Data Generator - registration GD.
 - Text Importer - participant.csv

Objects

Objects Files

<CURRENT USER>

All objects

course

SQL

```

select * from Course
select * from Instructor
select * from Participant
select * from Course_tool
select * from Registration
select * from Tool
select * from TCategory

```

Output

	REGISTRATION_DATE	REGISTRATION_TIME	STATUS	REGISTRATION_ID	PAYMENT_METHOD	PARTICIPANT_ID	COURSE_ID
1	1/19/1955	14:00	waiting for con	25807	bit	440048019	1495
2	6/11/1963	19:25	registration fa	25102	bit	794810693	1151
3	6/6/1968	18:00	registered succ	21436	bank transfer	515218335	1131
4	1/21/1960	13:25	registered succ	28297	direct debit	307355201	1067
5	3/26/1998	11:30	waiting for con	29545	direct debit	903710430	1031
6	3/19/1925	21:30	registered succ	22030	bit	128352368	1078
7	12/16/2024	10:55	registration fa	28996	direct debit	486780251	1207
8	2/18/1984	21:25	waiting for con	23683	bit	418016946	1446
9	3/24/1938	12:55	registered succ	20937	bit	755734032	1196
10	8/30/1932	21:00	waiting for con	24728	direct debit	723194082	1413

Connections

- Imported Fixed Users
- Imported History
- Recent
 - tehila@XE
 - dropTables
 - SQL Window - createTable.sql
 - SQL Window - selectAll.sql**
 - Data Generator - registration GD.
 - Text Importer - participant.csv

Objects

Objects Files

<CURRENT USER>

All objects

course

SQL

```

select * from Course
select * from Instructor
select * from Participant
select * from Course_tool
select * from Registration
select * from Tool
select * from TCategory

```

Output

	WEIGHT	TOOL_NAME	MADE_IN	COLOR	CATEGORY_NAME
1	0.5	'Elastic Bandage'	'USA'	'Beige'	'Bandaging Supplies'
2	0.2	'Gauze Roll'	'China'	'White'	'Bandaging Supplies'
3	0.3	'Adhesive Tape'	'Germany'	'Clear'	'Bandaging Supplies'
4	0.4	'Butterfly Closures'	'Japan'	'White'	'Bandaging Supplies'
5	0.1	'Triangular Bandage'	'India'	'Beige'	'Bandaging Supplies'
6	0.6	'Sterile Gauze Pads'	'USA'	'White'	'Bandaging Supplies'
7	0.3	'Hydrocolloid Dressing'	'France'	'Clear'	'Wound Care Products'
8	0.5	'Antiseptic Wipes'	'Italy'	'White'	'Wound Care Products'

The screenshot shows the SQL Developer interface. On the left, the 'Connections' pane shows a connection to 'tehila@XE'. Below it, the 'Objects' pane shows a tree view of the database objects, including 'course'. The main window is split into two panes: 'SQL' and 'Output'. The 'SQL' pane contains a query: `select * from Course`, `select * from Instructor`, `select * from Participant`, `select * from Course_tool`, `select * from Registration`, `select * from Tool`, and `select * from TCategory`. The 'Output' pane displays the results of the query in a table format.

	CATEGORY_LOCATION	CATEGORY_NAME	SUPERVISOR
1	'A supply warehouse'	'Bandaging Supplies'	'John Smith'
2	'Training Room'	'Wound Care Products'	'Emily Johnson'
3	'Storage Room 1'	'Diagnostic Instruments'	'Michael Brown'
4	'Storage Room 2'	'Emergency Resuscitation Equipment'	'Sarah Wilson'
5	'Storage Room 3'	'Personal Protective Equipment (PPE)'	'David Martinez'
6	'Storage Room 4'	'Medications and Pharmaceuticals'	'Jessica Lee'
7	'A supply warehouse'	'Orthopedic Aids'	'Alex Turner'
8	'Training Room'	'Respiratory Equipment'	'Jennifer Garcia'

גיבוי ושחזור הנתונים

The screenshot shows the 'Oracle Export' window in SQL Developer. The 'Tables' list on the left includes: COL_USAGE\$, COM\$, COMPARISON\$, COMPARISON_COL\$, COMPARISON_ROW_DIFS, COMPARISON_SCAN\$, COMPARISON_SCAN_VAL\$, COMPRESSION\$, CON\$, CONTEXT\$, COURSE, COURSE_TOOL, and CPOOL\$. The 'COURSE' and 'COURSE_TOOL' tables are selected. The 'Options' tab is active, showing the following settings:
☒ Drop tables
☐ Create tables
☐ Truncate tables
☐ Delete records
☒ Disable triggers
☒ Disable foreign key constraints
☒ Include storage
☒ Include privileges
Commit every 0 records (0 = never)
Where clause:
☐ Zip
Output file: C:\Tehila\class\year3\sem2\mini_project_data_base\ex1\backups\backup4.sql

The screenshot shows the 'Oracle Import' window in SQL Developer. The 'Import file' is set to 'C:\Users\miri2\Downloads\backup4.sql'. The 'Import' button is visible. Below the window, a command prompt window shows the output of the import process, including the number of records committed and loaded for each table.

```

C:\oracle\app\oracle\product\11.2.0\server\bin\sqlplus.exe
1000 records committed...
1100 records committed...
1200 records committed...
1300 records committed...
1400 records committed...
1500 records committed...
1600 records committed...
1651 records loaded
loading COURSE...
100 records committed...
200 records committed...
300 records committed...
400 records committed...
446 records loaded
loading COURSE_TOOL...
100 records committed...
200 records committed...
300 records committed...
325 records loaded
loading PARTICIPANT...
100 records committed...
200 records committed...
300 records committed...
400 records committed...
450 records loaded
loading REGISTRATION...
100 records committed...
200 records committed...
300 records committed...

```