

DBMS PROJECT

LEV & MISSILE

AERIAL DEFENCE

CUSTOMERS DEPARTMENT

Itay dabush -327514212

Adir Meged-326358447



TABLE OF CONTENTS

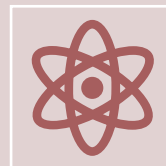
• Company description	• 3-4
• ERD for each entity	• 5-10
• Department relationships	• 11
• Department ERD	• 12
• DSD & 3NF explanation	• 13-14
• Create table SQL	• 15
• Desc instruction	• 16-22
• PL/SQL tables realization diagram	• 23
• Data generator for each table	• 24-30
• Text import generator for each table	• 31-37
• Excel using mockaroo.com for each table	• 38-45
• Select table SQL	• 46
• Insert tables SQL	• 47
• Drop table SQL	• 48
• Git explanation	• 49
• Backup explanation	• 50-51



A LITTLE BIT ABOUT OUR COMPANY...



“Lev&Missle Aerial Defence” is a cutting-edge company leading the marketplace in Aerial Defense & Missiles.



We specialize in cutting-edge missile systems and defense solutions, protecting nations and critical infrastructure worldwide.



Our products include advanced interceptors, radar systems, and command solutions, ensuring precision and peace of mind in airspace security.“



Our customers are always satisfied with our great quality and precision.



A LITTLE BIT ABOUT OUR COMPANY STRUCTURE



Our company is comprised of four major departments: Production, Marketing, Human Resources, and **Customer Relations**. Each department includes at least six subdivisions that ensure the highest quality of work is achieved and maintained.



In this chapter, we will focus on the Customer Relations department and its associated entities.



CUSTOMERS DEPARTMENT ENTITIES



1) Customer

Attributes:

CustomerID: Unique customer identifier

Name: Country or project

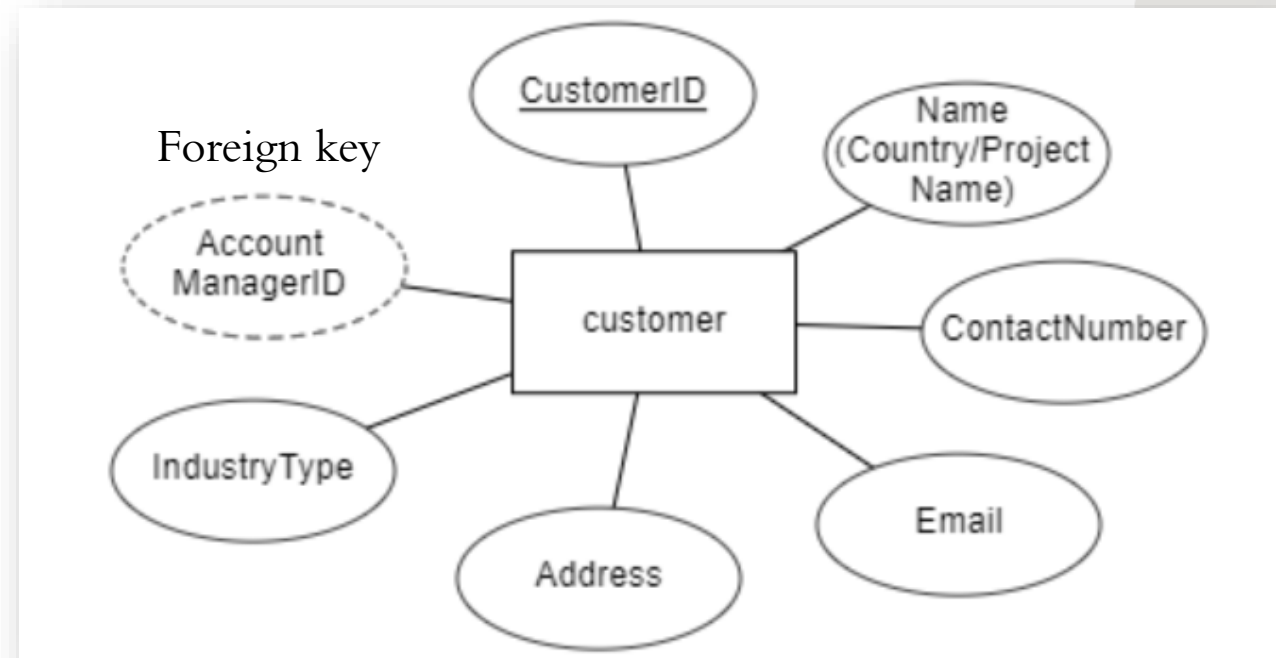
Contact Number: Customer's phone number

Email: Customer's email address

Address: Customer's physical location

IndustryType: Customer's business sector

AccountManagerID: Linked account manager



CUSTOMERS DEPARTMENT ENTITIES



2) Account Manager

Attributes:

AccountManagerID: Unique manager identifier

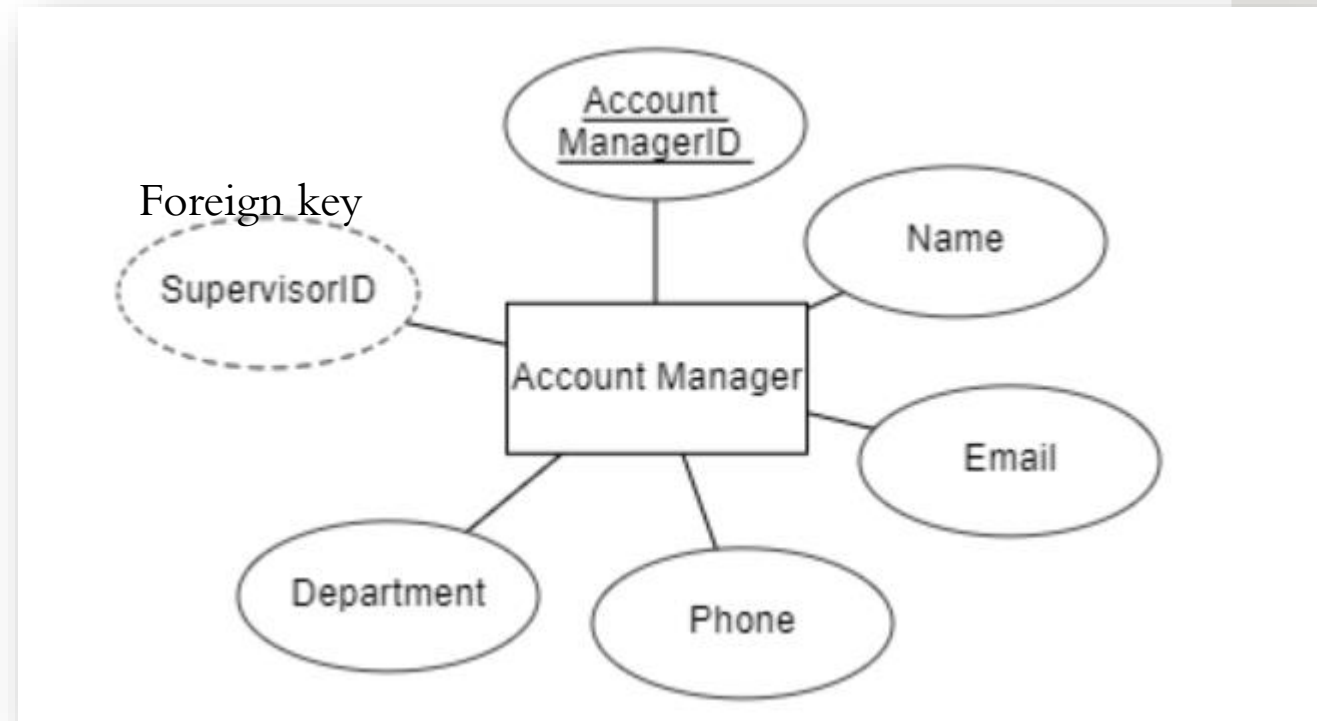
Name: Manager's full name

Email: Manager's email address

Phone: Manager's contact number

Department: Manager's assigned division

(SupervisorID: Linked supervisor identifier)-not included





CUSTOMERS DEPARTMENT ENTITIES

3)Order

Attributes:

OrderID: **Unique** order identifier

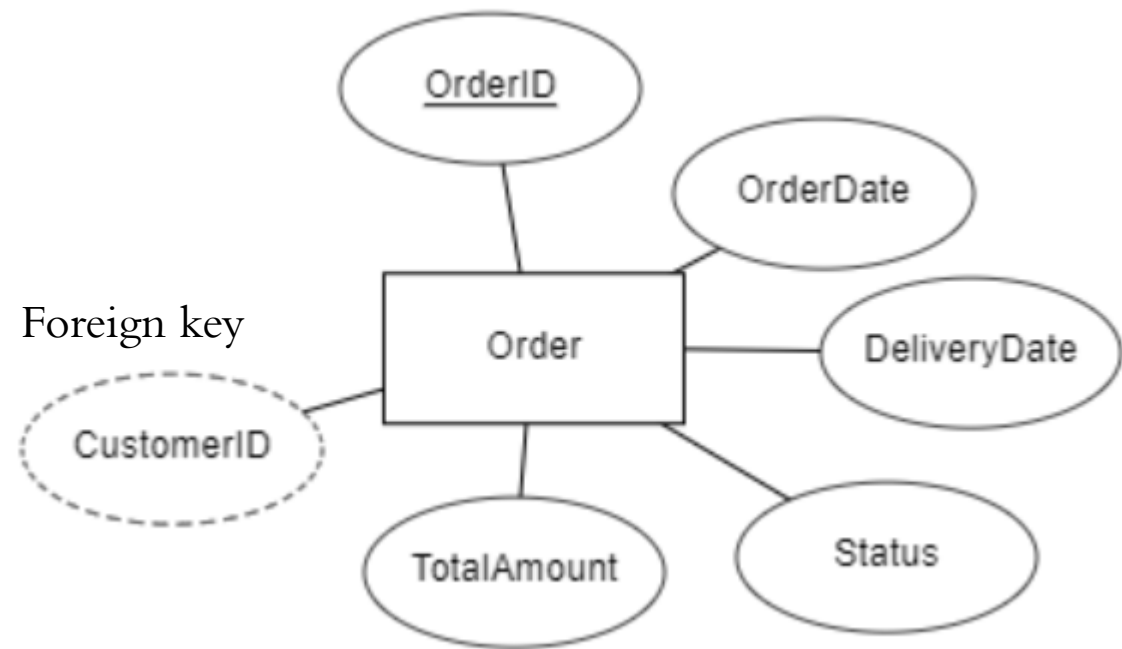
OrderDate: **Date** of order

DeliveryDate: **Date** of delivery

Status: **Order** current status

CustomerID: **Linked** customer identifier

TotalAmount: **Order** total cost





CUSTOMERS DEPARTMENT ENTITIES

4) Product

Attributes:

ProductID: Unique product identifier

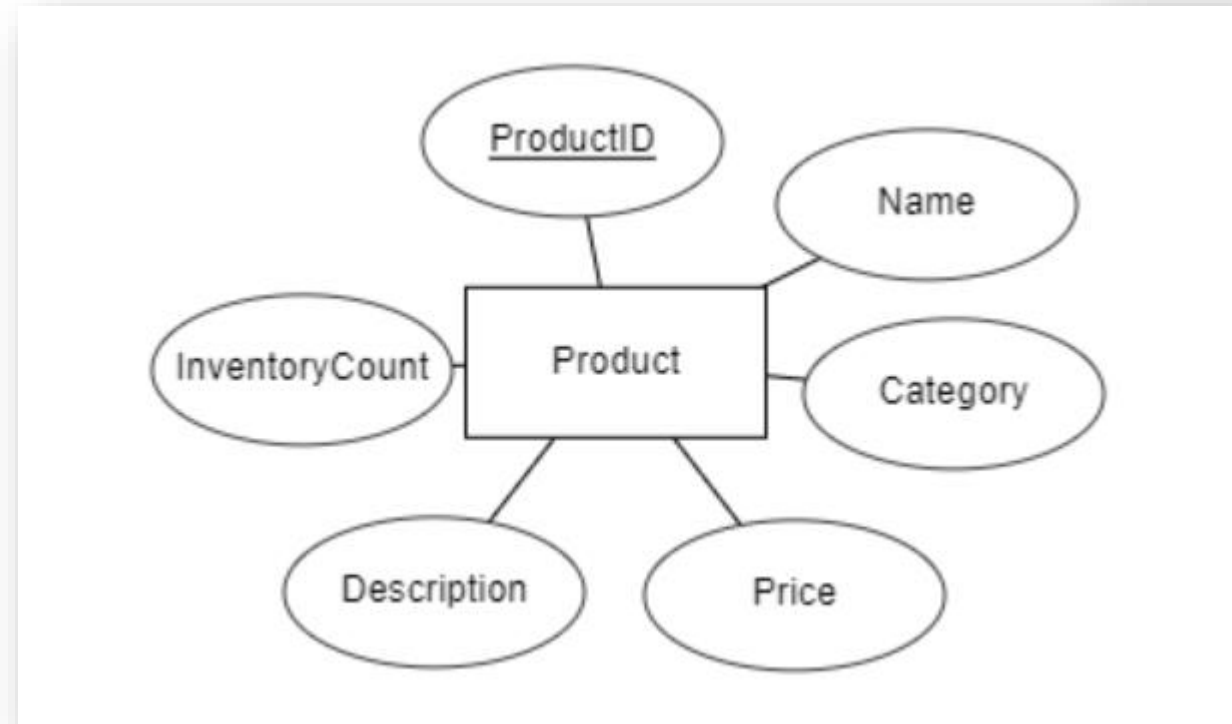
Name: Product's name

Category: Product's classification

Price: Product's selling price

Description: Product's detailed information

InventoryCount: Available product quantity



CUSTOMERS DEPARTMENT ENTITIES



5)Payment

Attributes:

Payment: **Unique** payment identifier

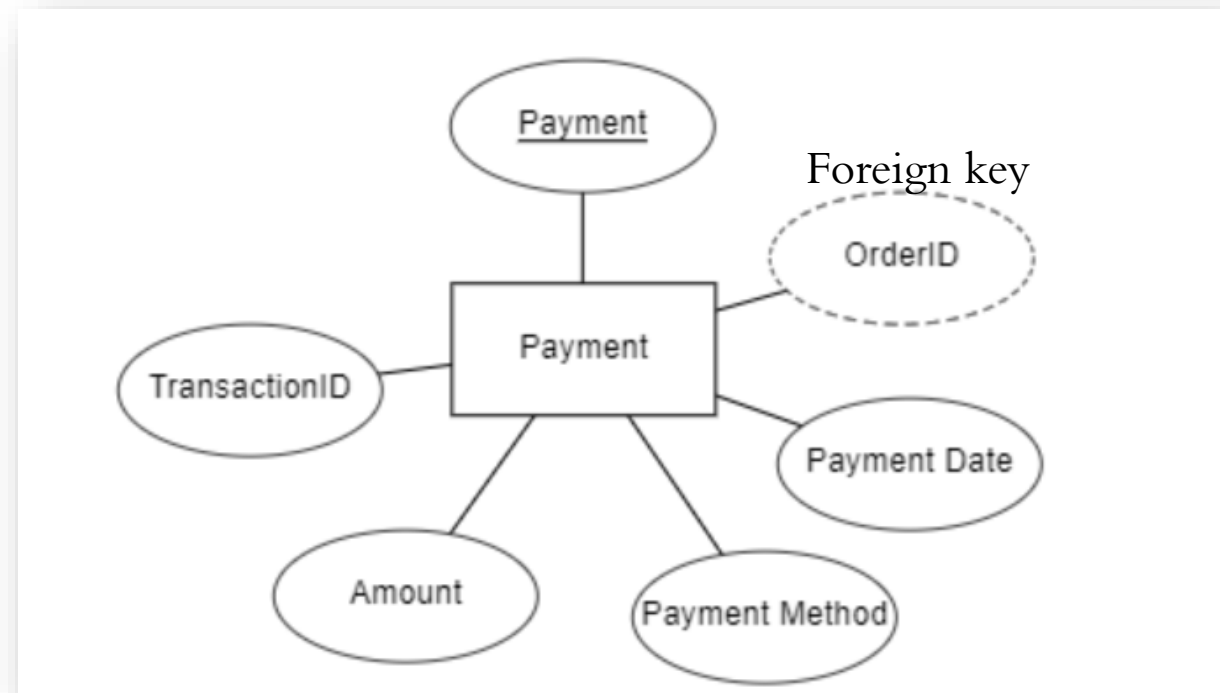
OrderID: **Linked** order identifier

Payment Date: **Date** of payment

Payment Method: **Payment** type used

Amount: **Payment** total amount

TransactionID: **Payment** transaction identifier



CUSTOMERS DEPARTMENT ENTITIES



6)Support Ticket

Attributes:

TicketID: Unique ticket identifier

CustomerID: Linked customer identifier

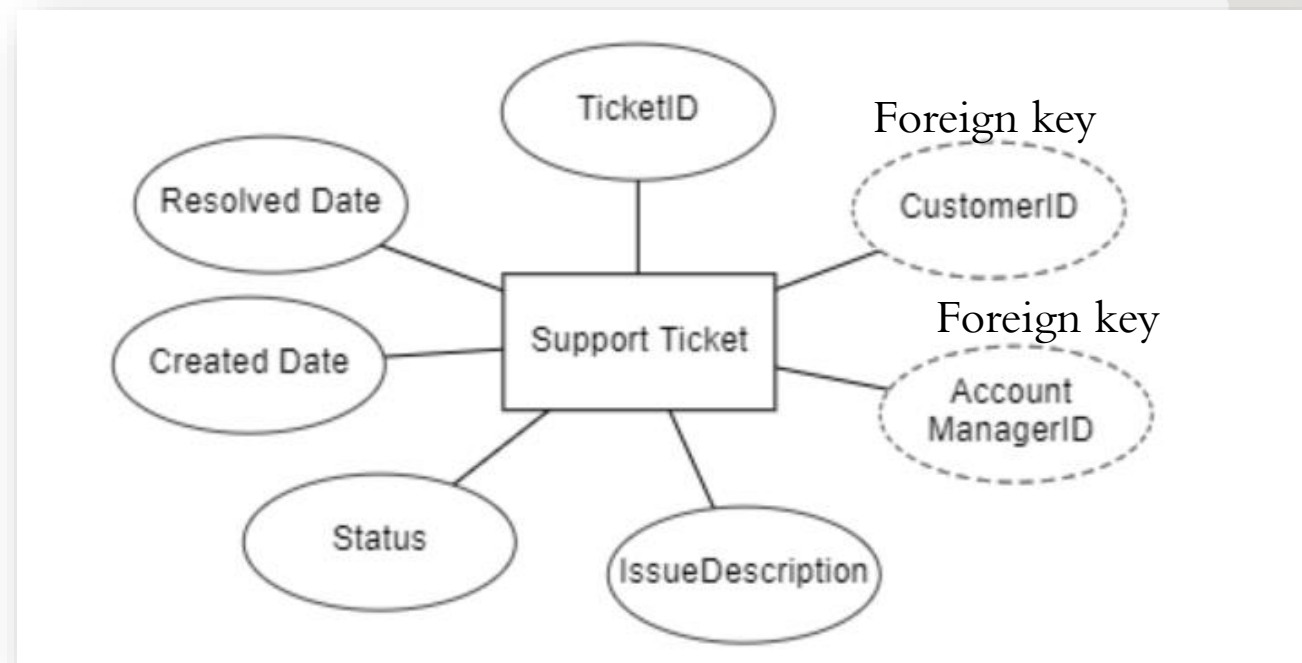
AccountManagerID: Linked manager identifier

IssueDescription: Problem details summary

Status: Current ticket state

Created Date: Ticket creation date

Resolved Date: Issue resolution date



CUSTOMERS DEPARTMENT RELATIONSHIPS



Relationships:

1) Customer – Account Manager:

Each Customer is assigned to one Account Manager.
One Account Manager can manage multiple Customers.
Relationship: **One-to-Many**

2) Customer – Order:

Each Customer can place multiple Orders.
Each Order is placed by one Customer.
Relationship: **One-to-Many**

3) Order – Product:

Each Order can contain multiple Products.
Each Product can be part of multiple Orders.
Relationship: **Many-to-Many**



4) Order – Payment:

Each Order can have multiple Payments.
Each Payment is associated with one Order.
Relationship: **One-to-Many**

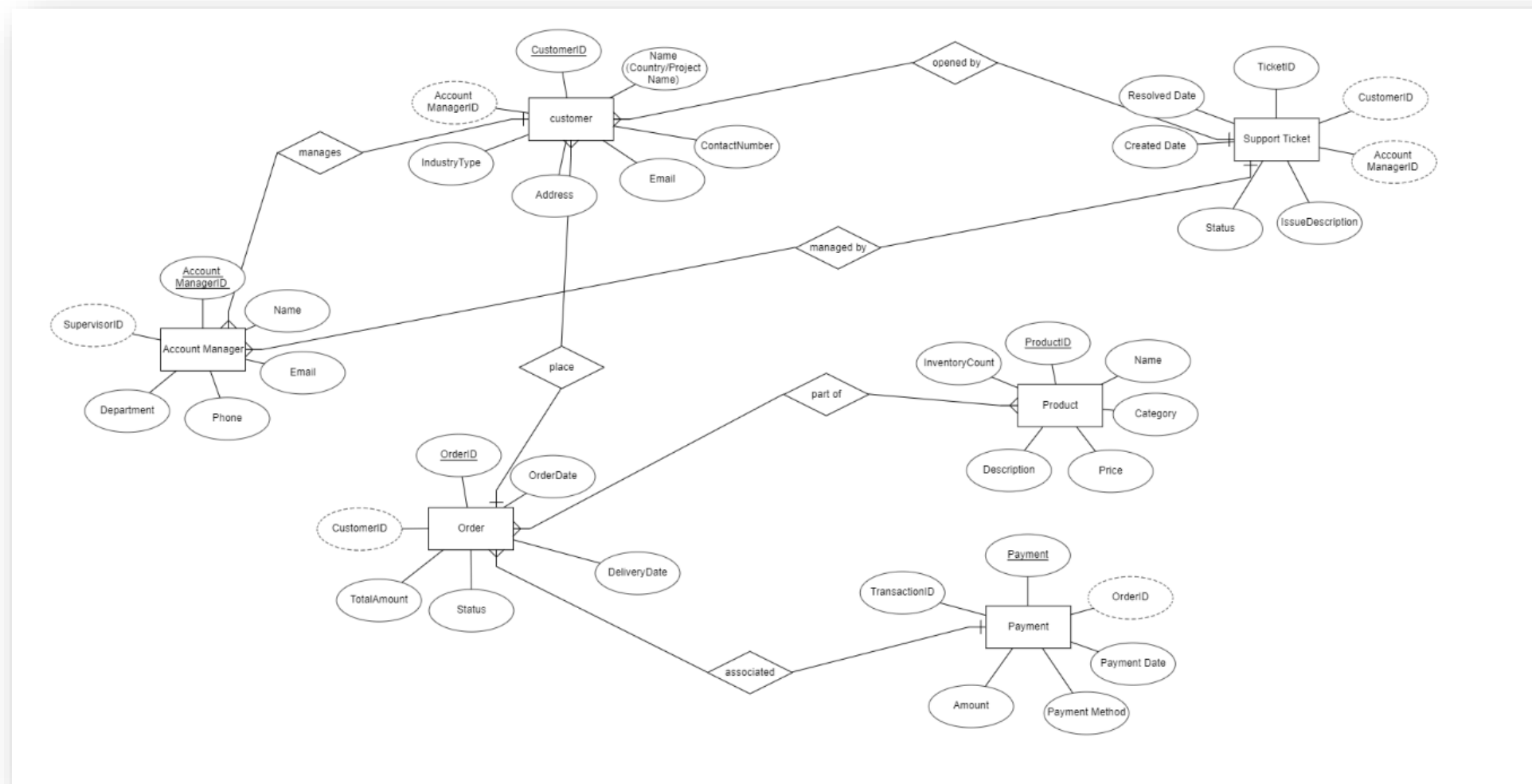
5) Customer – Support Ticket:

Each Customer can open multiple Support Tickets.
Each Support Ticket is opened by one Customer.
Relationship: **One-to-Many**

6) Account Manager – Support Ticket:

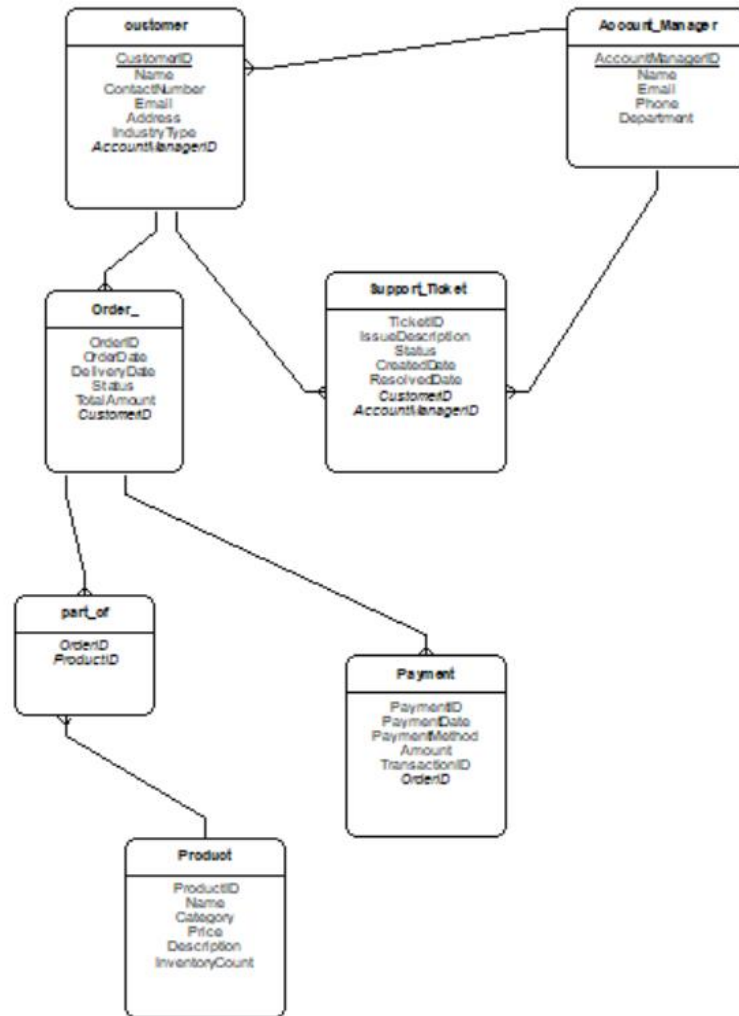
Each Support Ticket can be managed by one Account Manager.
One Account Manager can manage multiple Support Tickets.
Relationship: **One-to-Many**

CUSTOMERS DEPARTMENT RELATIONSHIPS





CUSTOMERS DEPARTMENT RELATIONSHIPS



Better view of the DSD file:

[DSD VIEW](#)

Summary:

Customer interacts with Account Manager, places Order, and can create Support Ticket.

Order includes Product and has related Payment.

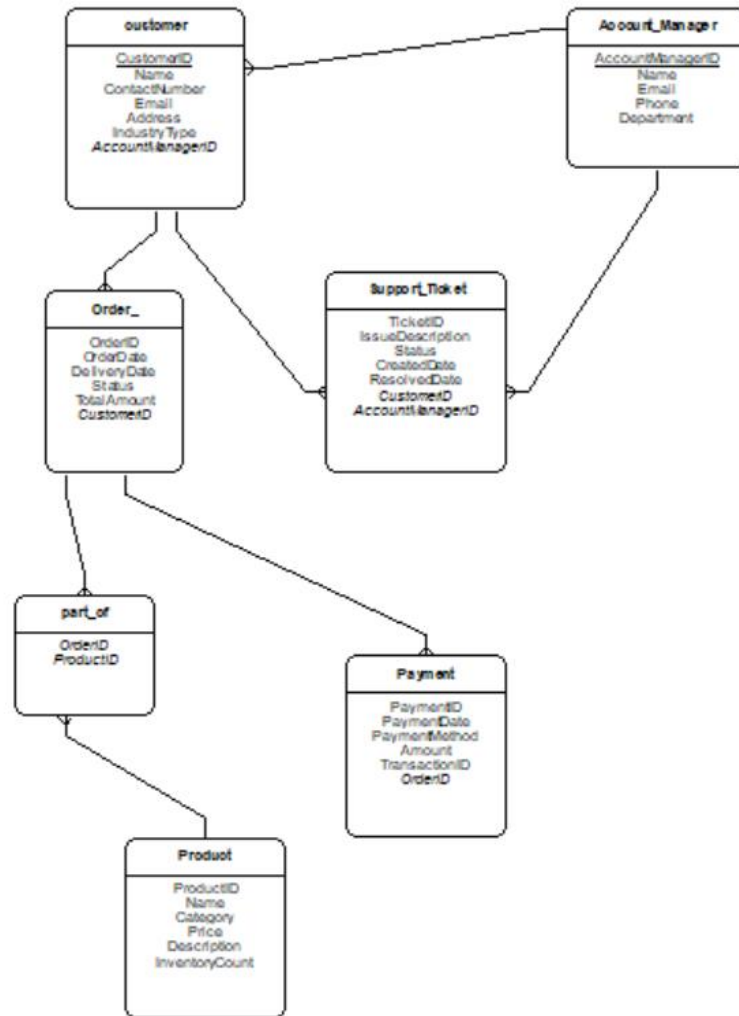
Support Ticket is handled by Account Manager.

This structure covers the key components and interactions within the customer department of our aerial defense and missiles manufacturing company.





CUSTOMERS DEPARTMENT RELATIONSHIPS



3NF NORMALIZATION:

Each schema adheres to the rules of 3NF:

1NF: All attributes are atomic.

2NF: There are no partial dependencies

3NF: No transitive dependencies; every non-key attribute depends only on the primary key.

Ensuring that all attributes are dependent only on the primary key of their respective tables, with no transitive dependencies. This design effectively supports the requirements of the DBMS project.





SQL CODE: CREATE TABLES

1 **CREATE TABLE** Account_Manager (AccountManagerID **NUMBER**(38) **NOT NULL**, Name **VARCHAR2**(255) **NOT NULL**, Email **VARCHAR2**(255) **NOT NULL**, Phone **VARCHAR2**(20) **NOT NULL**, Department **VARCHAR2**(255) **NOT NULL**, **CONSTRAINT** pk_Account_Manager **PRIMARY KEY** (AccountManagerID)) /

2 **CREATE TABLE** Product (ProductID **NUMBER**(38) **NOT NULL**, Name **VARCHAR2**(255) **NOT NULL**, Category **VARCHAR2**(255) **NOT NULL**, Price **NUMBER**(10, 2) **NOT NULL**, Description **VARCHAR2**(4000) **NOT NULL**, InventoryCount **NUMBER**(38) **NOT NULL**, **CONSTRAINT** pk_Product **PRIMARY KEY** (ProductID)) /

3 **CREATE TABLE** Customer (CustomerID **NUMBER**(38) **NOT NULL**, Name **VARCHAR2**(255) **NOT NULL**, ContactNumber **VARCHAR2**(20) **NOT NULL**, Email **VARCHAR2**(255) **NOT NULL**, Address **VARCHAR2**(4000) **NOT NULL**, IndustryType **VARCHAR2**(255) **NOT NULL**, AccountManagerID **NUMBER**(38) **NOT NULL**, **CONSTRAINT** pk_Customer **PRIMARY KEY** (CustomerID), **CONSTRAINT** fk_Customer **FOREIGN KEY** (AccountManagerID) **REFERENCES** Account_Manager (AccountManagerID) **ON DELETE CASCADE**) /

4 **CREATE TABLE** Order_ (OrderID **NUMBER**(38) **NOT NULL**, OrderDate **DATE** **NOT NULL**, DeliveryDate **DATE** **NOT NULL**, Status **VARCHAR2**(50) **NOT NULL**, TotalAmount **NUMBER**(10, 2) **NOT NULL**, CustomerID **NUMBER**(38), **CONSTRAINT** pk_Order_ **PRIMARY KEY** (OrderID), **CONSTRAINT** fk_Order_ **FOREIGN KEY** (CustomerID) **REFERENCES** Customer (CustomerID)) / -- --

Full code+documentation

5 **CREATE TABLE** Payment (PaymentID **NUMBER**(38) **NOT NULL**, PaymentDate **DATE** **NOT NULL**, PaymentMethod **VARCHAR2**(50) **NOT NULL**, Amount **NUMBER**(10, 2) **NOT NULL**, TransactionID **VARCHAR2**(50) **NOT NULL**, OrderID **NUMBER**(38), **CONSTRAINT** pk_Payment **PRIMARY KEY** (PaymentID), **CONSTRAINT** fk_Payment **FOREIGN KEY** (OrderID) **REFERENCES** Order_ (OrderID)) /

6 **CREATE TABLE** Support_Ticket (TicketID **NUMBER**(38) **NOT NULL**, IssueDescription **VARCHAR2**(4000) **NOT NULL**, Status **VARCHAR2**(50) **NOT NULL**, CreatedDate **DATE** **NOT NULL**, ResolvedDate **DATE**, CustomerID **NUMBER**(38), AccountManagerID **NUMBER**(38), **CONSTRAINT** pk_Support_Ticket **PRIMARY KEY** (TicketID), **CONSTRAINT** fk_Support_Ticket **FOREIGN KEY** (CustomerID) **REFERENCES** Customer (CustomerID), **CONSTRAINT** fk_Support_Ticket2 **FOREIGN KEY** (AccountManagerID) **REFERENCES** Account_Manager (AccountManagerID)) /

7 **CREATE TABLE** part_of (OrderID **NUMBER**(38) **NOT NULL**, ProductID **NUMBER**(38) **NOT NULL**, **CONSTRAINT** pk_part_of **PRIMARY KEY** (OrderID, ProductID), **CONSTRAINT** fk_part_of **FOREIGN KEY** (OrderID) **REFERENCES** Order_ (OrderID) **ON DELETE CASCADE**, **CONSTRAINT** fk_part_of2 **FOREIGN KEY** (ProductID) **REFERENCES** Product (ProductID)) /



CUSTOMERS DEPARTMENT RELATIONSHIPS



```
SQL> DESC ACCOUNT_MANAGER
```

Name	Null?	Type
-----	-----	-----
ACCOUNTMANAGERID	NOT NULL	NUMBER(38)
NAME	NOT NULL	VARCHAR2(255)
EMAIL	NOT NULL	VARCHAR2(255)
PHONE	NOT NULL	VARCHAR2(20)
DEPARTMENT	NOT NULL	VARCHAR2(255)



CUSTOMERS DEPARTMENT RELATIONSHIPS



```
SQL> desc CUSTOMERS
```

Name	Null?	Type
-----	-----	-----
CUSTOMERID	NOT NULL	NUMBER(38)
NAME	NOT NULL	VARCHAR2(255)
CONTACTNUMBER	NOT NULL	VARCHAR2(20)
EMAIL	NOT NULL	VARCHAR2(255)
ADDRESS	NOT NULL	VARCHAR2(4000)
INDUSTRYTYPE	NOT NULL	VARCHAR2(255)
ACCOUNTMANAGERID	NOT NULL	NUMBER(38)



CUSTOMERS DEPARTMENT RELATIONSHIPS



```
SQL> DESC SUPPORT_TICKET
```

Name	Null?	Type
TICKETID	NOT NULL	NUMBER(38)
ISSUEDESCRIPTION	NOT NULL	VARCHAR2(4000)
STATUS	NOT NULL	VARCHAR2(50)
CREATEDDATE	NOT NULL	DATE
RESOLVEDDATE		DATE
CUSTOMERID		NUMBER(38)
ACCOUNTMANAGERID		NUMBER(38)



CUSTOMERS DEPARTMENT RELATIONSHIPS



```
SQL> DESC AIR_ORDER
```

Name	Null?	Type
ORDERID	NOT NULL	NUMBER(38)
ORDERDATE	NOT NULL	DATE
DELIVERYDATE	NOT NULL	DATE
STATUS	NOT NULL	VARCHAR2(50)
TOTALAMOUNT	NOT NULL	NUMBER(10,2)
CUSTOMERID		NUMBER(38)



CUSTOMERS DEPARTMENT RELATIONSHIPS



```
SQL> desc PRODUCT
```

Name	Null?	Type
PRODUCTID	NOT NULL	NUMBER(38)
NAME	NOT NULL	VARCHAR2(255)
CATEGORY	NOT NULL	VARCHAR2(255)
PRICE	NOT NULL	NUMBER(10,2)
DESCRIPTION	NOT NULL	VARCHAR2(4000)
INVENTORYCOUNT	NOT NULL	NUMBER(38)



CUSTOMERS DEPARTMENT RELATIONSHIPS



```
SQL> DESC PAYMENT
```

Name	Null?	Type
PAYMENTID	NOT NULL	NUMBER(38)
PAYMENTDATE	NOT NULL	DATE
PAYMENTMETHOD	NOT NULL	VARCHAR2(50)
AMOUNT	NOT NULL	NUMBER(10,2)
TRANSACTIONID	NOT NULL	VARCHAR2(50)
ORDERID		NUMBER(38)



CUSTOMERS DEPARTMENT RELATIONSHIPS

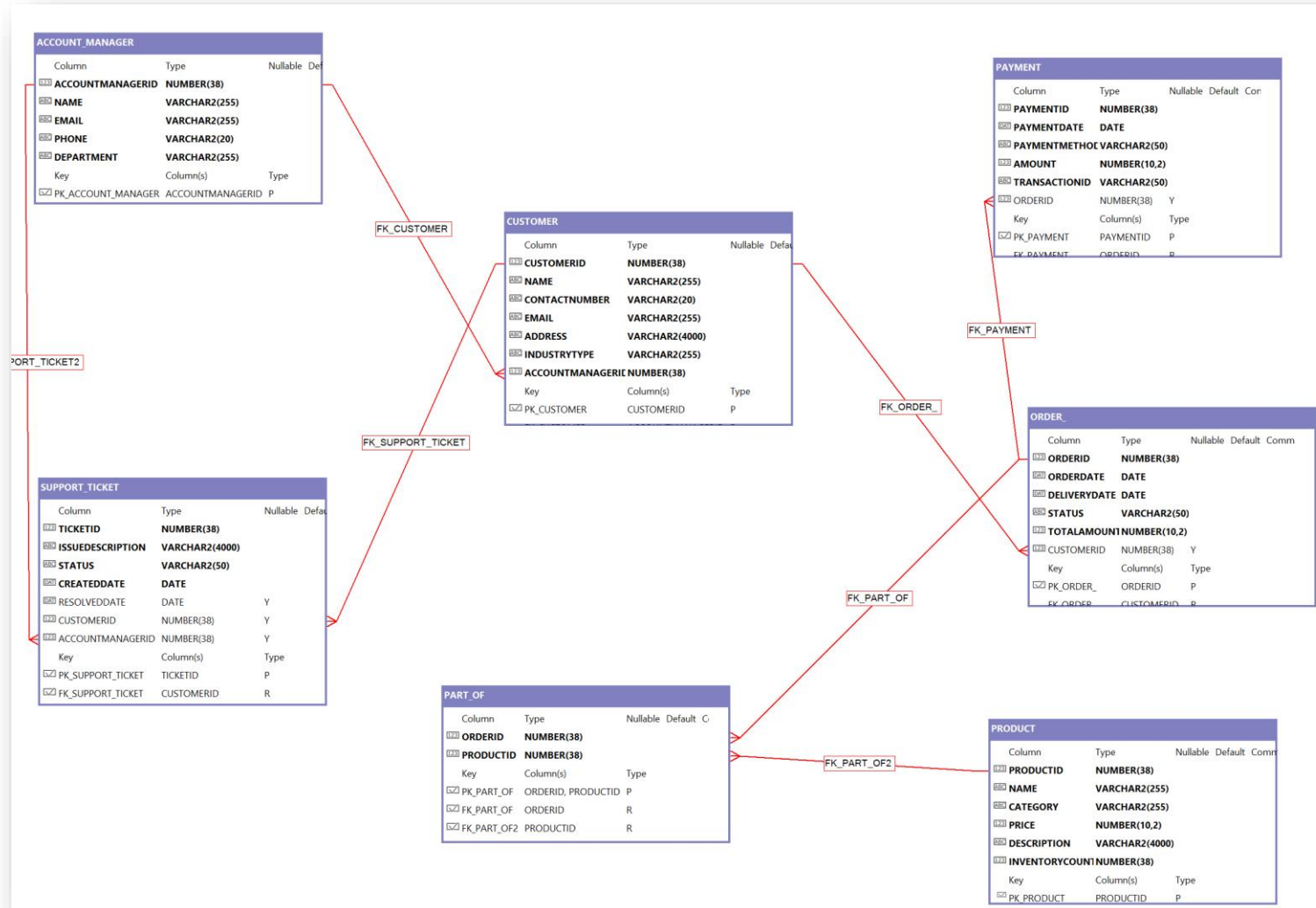


```
SQL> DESC PART_OF
```

Name	Null?	Type
ORDERID	NOT NULL	NUMBER(38)
PRODUCTID	NOT NULL	NUMBER(38)



CREATE TABLES : REALIZATION IN PL/SQL



Better view of the Diagram:
TABLES

DATA GENERATOR: ACCOUNT MANAGER



<

>

...

Owner

Table

Number of records

SYS

ACCOUNT_MANAGER

10..20

Name	Type	Size	Data	Master
ACCOUNTMANAGERID	NUMBER	38	Random(10000000, 99999999)	***
NAME	VARCHAR2	255	FirstName + LastName	***
EMAIL	VARCHAR2	255	Email	***
PHONE	VARCHAR2	20	0+5+Random(10000000, 99999999)	***
DEPARTMENT	VARCHAR2	255	List('mossad', 'ministry of defence', 'shabak', 'idf', 'refael')	***
*				***

ACCOUNTMANAGERID	NAME	EMAIL	PHONE	DEPARTMENT	ROWID	
1	34566721	DavisBuscemi	*** davis.buscemi@mastercardinternational.uk ***	50060184	idf	*** AAAS+yAABAAAp4xAAA ***
2	85884778	ValBorden	*** val.borden@dancor.com ***	46694802	mossad	*** AAAS+yAABAAAp4xAAB ***
3	68110990	RuthSarandon	*** ruth.sarandon@entelligence.com ***	62486956	refael	*** AAAS+yAABAAAp4xAAC ***
4	69348183	BrianConnors	*** brian.c@pulaskifinancial.il ***	37810149	ministry of defence	*** AAAS+yAABAAAp4xAAD ***
5	95173305	JohnetteDiddley	*** johnette.diddley@ksj.uk ***	13474322	refael	*** AAAS+yAABAAAp4xA AE ***
6	44543774	BozBailey	*** bozb@sms.se ***	81968201	idf	*** AAAS+yAABAAAp4xA AF ***
7	91289020	WalterBurton	*** walter.b@mwh.com ***	63894756	ministry of defence	*** AAAS+yAABAAAp4xA AG ***
8	74709883	AlessandroGambon	*** alessandro.gambon@genexttechnologies.com ***	73224472	idf	*** AAAS+yAABAAAp4xA AH ***
9	70597847	LarnelleMars	*** larnelle@dcgroup.es ***	95983953	refael	*** AAAS+yAABAAAp4xA AI ***
10	56955700	DebiMakeba	*** debi.makeba@tripwire.nl ***	26751008	refael	*** AAAS+yAABAAAp4xA AJ ***
11	73986708	BobbiGoldberg	*** b.goldberg@hitechpharmacal.com ***	20217028	mossad	*** AAAS+yAABAAAp4xA AK ***
			***	***		***



DATA GENERATOR: CUSTOMER



< Owner Table Number of records
> SYS CUSTOMER 10..20
...

Name	Type	Size	Data	Master
✓ CUSTOMERID	NUMBER	38	Random(10000000, 99999999)	...
NAME	VARCHAR2	255	Country	...
CONTACTNUMBER	VARCHAR2	20	0+5+Random(10000000, 99999999)	...
EMAIL	VARCHAR2	255	Email	...
ADDRESS	VARCHAR2	4000	Address1	...
INDUSTRYTYPE	VARCHAR2	255	List('mossad', 'ministry of defence', 'shabak', 'idf', 'refael')	...
ACCOUNTMANAGERID	NUMBER	38	SQL(SELECT * FROM (SELECT ACCOUNTMANAGERID FROM ACCOUNT_MANAGER ORDER BY DI	...

	CUSTOMERID	NAME	CONTACTNUMBER	EMAIL	ADDRESS	INDUSTRYTYPE	ACCOUNTMANAGERID
1	28072493	USA	36638783	aliceh@ubp.com	56 Eindhoven	refael	91289020
2	60553929	Germany	26101331	tal.todd@fmt.de	958 Obfelden Ave	shabak	85884778
3	16892383	France	69230616	juan.jovovich@gateway.fr	81 Hex Blvd	refael	56955700
4	16566665	Brazil	37869446	bruce.b@nissanmotor.br	92 Brosnan Road	mossad	34566721
5	48041620	USA	30783862	holland.carrere@electricalsolutions.com	25 Cocker Street	ministry of defence	44543774
6	51506073	Germany	65076691	brendan@chhc.de	30 Daejeon Drive	shabak	85884778
7	76036750	Finland	19576869	chubbyw@usainstruments.fi	50 Täby Road	refael	95173305
8	32664711	Brazil	36595125	fional@unicru.br	783 Natasha Street	shabak	68110990
9	69299771	Japan	37527250	s.mcnarland@kingston.jp	91st Street	mossad	95173305
10	85515191	USA	66474320	tamala.sarsgaard@diversitech.com	96 Lisbon Road	refael	73986708
11	18786419	Germany	39769227	rachael.ramis@colgatepalmolive.de	55 Utsunomiya Road	idf	56955700
12	72529613	USA	93460187	thomasd@newhorizons.com	90 Van Helden Road	ministry of defence	74709883
13	71192483	USA	91537404	debra.heslov@spd.com	20 Nashua Drive	idf	85884778



DATA GENERATOR: SUPPORT TICKET



< Owner Table Number of records
> SYS SUPPORT_TICKET 10..20
...

Name	Type	Size	Data	Master
TICKETID	NUMBER	38	Random(10000000, 99999999)	***
ISSUEDESCRIPTION	VARCHAR2	4000	List('Reliability of detection systems', 'Interception accuracy', 'Communication latency', 'Maintenar	***
STATUS	VARCHAR2	50	List('Open', 'Pending', 'Resolved', 'Closed', 'Escalated')	***
CREATEDDATE	DATE		Random(01/01/2022, 01/05/2023)	***
✓ RESOLVEDDATE	DATE		Random(01/05/2023, 01/05/2024)	***
CUSTOMERID	NUMBER	38	SQL(SELECT * FROM (SELECT CUSTOMERID FROM CUSTOMER ORDER BY DBMS_RANDOM.VALL	***
ACCOUNTMANAGERID	NUMBER	38	SQL(SELECT * FROM (SELECT ACCOUNTMANAGERID FROM ACCOUNT_MANAGER ORDER BY DI	***

	TICKETID	ISSUEDESCRIPTION	STATUS	CREATEDDATE	RESOLVEDDATE	CUSTOMERID	ACCOUNTMANAGERID	ROWID
1	97186012	Vulnerability to cyber attacks	Open	03/06/2022	17/01/2024	60553929	70597847	AAAS+8AABAAAp
2	73856054	Vulnerability to cyber attacks	Pending	15/03/2023	10/07/2023	32664711	44543774	AAAS+8AABAAAp
3	94904186	Environmental adaptability	Escalated	16/11/2022	10/07/2023	16566665	69348183	AAAS+8AABAAAp
4	35953341	False positives and negatives	Escalated	10/05/2022	30/07/2023	18786419	95173305	AAAS+8AABAAAp
5	32493367	Maintenance and operational costs	Open	28/06/2022	22/09/2023	71192483	95173305	AAAS+8AABAAAp
6	53815990	Integration with existing defense systems	Escalated	31/03/2022	18/05/2023	48041620	44543774	AAAS+8AABAAAp
7	36360579	Supply chain security	Escalated	24/04/2022	13/01/2024	60553929	91289020	AAAS+8AABAAAp
8	54745964	Interception accuracy	Open	22/09/2022	06/08/2023	72529613	74709883	AAAS+8AABAAAp
9	12877487	Communication latency	Pending	31/10/2022	01/07/2023	32664711	95173305	AAAS+8AABAAAp
10	12928372	Reliability of detection systems	Resolved	11/03/2023	23/11/2023	69299771	44543774	AAAS+8AABAAAp
11	37656129	Vulnerability to cyber attacks	Closed	19/08/2022	24/08/2023	16566665	56955700	AAAS+8AABAAAp
12	87268516	Reliability of detection systems	Open	06/03/2022	12/07/2023	76036750	74709883	AAAS+8AABAAAp



DATA GENERATOR: ORDER



< Owner Table Number of records
 > SYS ORDER_ 10..20
 ...

	Name	Type	Size	Data	Master
	ORDERID	NUMBER	38	Random(10000000, 99999999)	...
✓	ORDERDATE	DATE		Random(01/01/2022, 01/05/2023)	...
	DELIVERYDATE	DATE		Random(01/05/2023, 01/05/2024)	...
	STATUS	VARCHAR2	50	List('Pending', 'Processed', 'Shipped', 'Delivered', 'Completed')	...
	TOTALAMOUNT	NUMBER	10,2	SQL(SELECT * FROM (SELECT PRICE FROM PRODUCT ORDER BY DBMS_RANDOM.VALUE) WHERE	...
	CUSTOMERID	NUMBER	38	SQL(SELECT * FROM (SELECT CUSTOMERID FROM CUSTOMER ORDER BY DBMS_RANDOM.VAL	...

	ORDERID	ORDERDATE	DELIVERYDATE	STATUS	TOTALAMOUNT	CUSTOMERID	P
1	22296433	02/05/2022	31/08/2023	Completed	7282919.00	28072493	A
2	78183091	03/03/2022	31/07/2023	Delivered	563167.00	76036750	A
3	67654902	01/02/2023	26/10/2023	Pending	9627408.00	69299771	A
4	26731761	05/05/2022	09/09/2023	Pending	463760.00	51506073	A
5	40822735	18/11/2022	16/02/2024	Pending	6480109.00	71192483	A
6	97533574	26/04/2023	05/08/2023	Completed	6278646.00	76036750	A
7	48006428	03/04/2022	29/11/2023	Pending	6278646.00	76036750	A
8	65067065	30/09/2022	15/05/2023	Processed	7819704.00	48041620	A
9	80698835	25/02/2022	16/10/2023	Processed	563167.00	85515191	A
10	64886924	23/09/2022	31/12/2023	Completed	563167.00	69299771	A
11	93821676	01/03/2022	28/11/2023	Delivered	7282919.00	72529613	A
12	84142157	13/05/2022	05/09/2023	Pending	9627408.00	16566665	A
13	36176836	08/01/2022	09/12/2023	Pending	6278080.00	18786419	A



DATA GENERATOR: PRODUCT



<

Owner

Table

Number of records

>

SYS

PRODUCT

10..20

...

	Name	Type	Size	Data	Master
	PRODUCTID	NUMBER	38	Random(10000000, 99999999)	...
✓	NAME	VARCHAR2	255	List('Patriot Missile System', 'THAAD (Terminal High Altitude Area Defense)', 'SM-6 (Standard Mis	...
	CATEGORY	VARCHAR2	255	List('Surface-to-Air Missiles', 'Anti-Tank Missiles', 'Defense Systems')	...
	PRICE	NUMBER	10,2	Random(100000.00, 9999999.00)	...
	DESCRIPTION	VARCHAR2	4000	List('High-precision targeting for aerial threats', 'Armor-penetrating capability for ground targets'	...
	INVENTORYCOUNT	NUMBER	38	Random(1, 1000000)	...
					...

1	65236036	Javelin Missile	...	Anti-Tank Missiles	...	3404705.00	Armor-penetrating capability for ground targets	...
2	79387919	Harpoon Missile	...	Surface-to-Air Missiles	...	463760.00	Armor-penetrating capability for ground targets	...
3	20942099	Javelin Missile	...	Anti-Tank Missiles	...	6278646.00	Armor-penetrating capability for ground targets	...
4	98404995	SM-6 (Standard Missile-6)	...	Defense Systems	...	7979837.00	Comprehensive protection and surveillance	...
5	76023699	THAAD (Terminal High Altitude Area Defense)	...	Defense Systems	...	5981292.00	High-precision targeting for aerial threats	...
6	49132397	THAAD (Terminal High Altitude Area Defense)	...	Surface-to-Air Missiles	...	6480109.00	Comprehensive protection and surveillance	...
7	13189105	S-400 Missile System	...	Surface-to-Air Missiles	...	9627408.00	Comprehensive protection and surveillance	...
8	70482225	S-400 Missile System	...	Anti-Tank Missiles	...	8335935.00	High-precision targeting for aerial threats	...
9	10123399	SM-6 (Standard Missile-6)	...	Surface-to-Air Missiles	...	563167.00	Armor-penetrating capability for ground targets	...
10	35937232	S-400 Missile System	...	Anti-Tank Missiles	...	6278080.00	High-precision targeting for aerial threats	...
11	20305768	THAAD (Terminal High Altitude Area Defense)	...	Defense Systems	...	7819704.00	Comprehensive protection and surveillance	...
12	25550951	Aegis Combat System	...	Anti-Tank Missiles	...	3029647.00	Comprehensive protection and surveillance	...



DATA GENERATOR: PAYMENT



<

>

...

Owner

SYS

Table

PAYMENT

Number of records

10..20

Name	Type	Size	Data	Master
PAYMENTID	NUMBER	38	Random(10000000, 99999999)	...
PAYMENTDATE	DATE		Random(01/01/2022, 01/05/2023)	...
PAYMENTMETHOD	VARCHAR2	50	List('credit card', 'trade', 'stocks', 'cash')	...
AMOUNT	NUMBER	10,2	SQL(SELECT * FROM (SELECT PRICE FROM PRODUCT ORDER BY DBMS_RANDOM.VALUE) WHERE	...
TRANSACTIONID	VARCHAR2	50	Random(10, 999)	...
✓ ORDERID	NUMBER	38	M ORDER_ ORDER BY DBMS_RANDOM.VALUE) WHERE ROWNUM = 1)	...
*				...

	PAYMENTID	PAYMENTDATE	PAYMENTMETHOD	AMOUNT	TRANSACTIONID	ORDERID
1	94922560	10/03/2022	credit card	3404705.00	25	15902497
2	14808088	16/07/2022	cash	7819704.00	908	78183091
3	12774548	19/03/2023	cash	5981292.00	989	84142157
4	18236276	19/03/2022	credit card	6269310.00	897	51078240
5	21170887	11/03/2023	credit card	7282919.00	720	64886924
6	78593540	08/04/2023	cash	7979837.00	899	15902497
7	83640801	25/02/2022	stocks	463760.00	89	97533574
8	50484583	29/10/2022	stocks	180013.00	390	26731761
9	53044913	13/08/2022	cash	7282919.00	845	66718476
10	57970283	14/01/2023	credit card	6278080.00	15	48006428
11	94854319	08/01/2022	credit card	2536188.00	895	85393338
12	59157539	07/11/2022	trade	5981292.00	863	36698048



DATA GENERATOR: ORDER & PRODUCT M:N RELATION



<

Owner

>

SYS

Table

PART_OF

Number of records

10..20

...

	Name	Type	Size	Data	Master
	ORDERID	NUMBER	38	SQL(SELECT * FROM (SELECT ORDERID FROM ORDER_ ORDER BY DBMS_RANDOM.VALUE) WHE	...
✓	PRODUCTID	NUMBER	38	PRODUCT ORDER BY DBMS_RANDOM.VALUE) WHERE ROWNUM = 1)	...
*					...

	ORDERID	PRODUCTID	ROWID
1	67654902	13189105	AAAS++AABAAAp6hAAA
2	64886924	98404995	AAAS++AABAAAp6hAAB
3	36176836	65236036	AAAS++AABAAAp6hAAC
4	66718476	25214584	AAAS++AABAAAp6hAAD
5	80698835	87161211	AAAS++AABAAAp6hAAE
6	48006428	49132397	AAAS++AABAAAp6hAAF



TEXT IMPORT GENERATOR: ACCOUNT MANAGER



Data from Textfile | Data to Oracle

General
 Owner: Table: ACCOUNT_MANAGER
 Commit every... 0
☐ Overwrite duplicates ☐ Delete records
☒ Ignore duplicates ☐ Truncate table
 Initializing Script:
 Finalizing Script:

Fields
 Field1 -> ACCOUNTMANAGERID (NUMBER)
 Field2 -> NAME (VARCHAR2)
 Field3 -> EMAIL (VARCHAR2)
 Field4 -> PHONE (VARCHAR2)
 Field5 -> DEPARTMENT (VARCHAR2)
 Field: DEPARTMENT (VARCHAR2)
 Fieldtype: String
 Create SQL
 SQL function:
 additional Oracle processing, for example: substr(# 1, 20)

Result Preview

1	2	3	4	5
34428347	Anna Johnson	anna.j@example.com	555-1234	Sales
55839283	Bob Williams	bob.w@example.com	555-5678	Support

	ACCOUNTMANAGERID	NAME	EMAIL	PHONE	DEPARTMENT	ROWID
1	34428347	Anna Johnson	anna.j@example.com	555-1234	Sales	AAATJkAABAAAp4xAAA
2	55839283	Bob Williams	bob.w@example.com	555-5678	Support	AAATJkAABAAAp4xAAB
3	44782930	Carol Lee	carol.l@example.com	555-8765	Marketing	AAATJkAABAAAp4xAAC
4	98745612	David Brown	david.b@example.com	555-4321	Finance	AAATJkAABAAAp4xAAD
5	23456789	Eva Green	eva.g@example.com	555-6789	Operations	AAATJkAABAAAp4xAAE
6	65748392	Frank Harris	frank.h@example.com	555-3456	IT	AAATJkAABAAAp4xAAF
7	39485721	Grace Kim	grace.k@example.com	555-9876	Customer Service	AAATJkAABAAAp4xAAG
8	83947563	Henry Turner	henry.t@example.com	555-2345	R&D	AAATJkAABAAAp4xAAH
9	49283756	Ivy Nelson	ivy.n@example.com	555-8764	Legal	AAATJkAABAAAp4xAAI
10	38572049	Jack Cooper	jack.c@example.com	555-5432	Administration	AAATJkAABAAAp4xAAJ

[Link for Text file \(.txt\)](#)



TEXT IMPORT GENERATOR: CUSTOMERS



General

Owner: Table: CUSTOMERS

Commit every...: 100

☐ Overwrite duplicates ☐ Delete records

☒ Ignore duplicates ☐ Truncate table

Initializing Script:

Finalizing Script:

Fields

Field1 -> CUSTOMERID (NUMBER)

Field2 -> NAME (VARCHAR2)

Field3 -> CONTACTNUMBER (VARCHAR2)

Field4 -> EMAIL (VARCHAR2)

Field5 -> ADDRESS (VARCHAR2)

Field6 -> INDUSTRYTYPE (VARCHAR2)

Field7 -> ACCOUNTMANAGERID (NUMBER)

Field: CUSTOMERID (NUMBER)

Fieldtype: Number

Create SQL

SQL function:

additional Oracle processing, for example: substr(# 1, 20)

Result Preview

1	2	3	4	5	6	7
12134353	England	056767968	aad@gmail.com	32 Farrow Street	Ministry of Defence	34428347
23894729	USA	1234567890	john.doe@example.com	123 Main St	Tech Solutions	55839283

	CUSTOMERID	NAME	CONTACTNUMBER	EMAIL	ADDRESS	INDUSTRYTYPE	ACCOUNTMANAGERID
1	12134353	England	056767968	aad@gmail.com	32 Farrow Street	Ministry of Defence	34428347
2	23894729	USA	1234567890	john.doe@example.com	123 Main St	Tech Solutions	55839283
3	87432904	Canada	0987654321	jane.smith@domain.com	456 Elm St	Health Services	44782930
4	56290837	Australia	1122334455	bruce.wayne@batmail.com	789 Pine St	Finance Corp	98745612
5	34789012	Germany	9988776655	hans.gruber@villains.com	321 Oak St	Industrial Inc	23456789
6	90875634	France	5566778899	michel.dubois@exemple.fr	654 Maple St	Energy Systems	65748392
7	67983245	Japan	4433221100	sakura.tanaka@jpmail.com	987 Cedar St	Automotive	39485721
8	45329087	India	6677889900	rahul.sharma@india.co	159 Spruce St	IT Solutions	83947563
9	12983475	Brazil	7788996655	marcelo.santos@brmail.com	753 Palm St	Telecom Services	49283756
10	76348219	Italy	3344556677	giovanni.rossi@itmail.it	852 Olive St	Construction	38572049

[Link for Text file \(.txt\)](#)



TEXT IMPORT GENERATOR: ORDER



General

Owner
Table
AIR_ORDER

Commit every...
100

☐ Overwrite duplicates
☒ Ignore duplicates

☐ Delete records
☐ Truncate table

Initializing Script
Finalizing Script

Fields

Field1 -> ORDERID (NUMBER)
Field2 -> ORDERDATE (DATE)
Field3 -> DELIVERYDATE (DATE)
Field4 -> STATUS (VARCHAR2)
Field5 -> CUSTOMERID (NUMBER)
Field6 -> TOTALAMOUNT (NUMBER)

Field
TOTALAMOUNT (NUMB
Fieldtype
Number
Create SQL
SQL function
additional Order processing, for example: subtrf# 1 20)

Result Preview

1	2	3	4	5	6
1001	2024-05-01	2024-05-05	Shipped	12134353	150.00

	ORDERID	ORDERDATE	DELIVERYDATE	STATUS	TOTALAMOUNT	CUSTOMERID
1	1001	01/05/2024	05/05/2024	Shipped	150.00	12134353
2	1002	03/05/2024	10/05/2024	Processing	200.00	23894729
3	1003	05/05/2024	12/05/2024	Delivered	300.00	87432904
4	1004	07/05/2024	15/05/2024	Canceled	400.00	56290837
5	1005	09/05/2024	17/05/2024	Returned	250.00	34789012
6	1006	11/05/2024	18/05/2024	Shipped	350.00	90875634
7	1007	13/05/2024	20/05/2024	Processing	450.00	67983245
8	1008	15/05/2024	22/05/2024	Delivered	500.00	45329087
9	1009	17/05/2024	24/05/2024	Shipped	600.00	12983475
10	1010	19/05/2024	26/05/2024	Processing	700.00	76348219

[Link for Text file \(.txt\)](#)



TEXT IMPORT GENERATOR: PAYMENT



General

Owner: Table:

Commit every...:

☒ Overwrite duplicates ☐ Delete records

☐ Ignore duplicates ☐ Truncate table

Initializing Script:

Finalizing Script:

Fields

Field1 -> PAYMENTID (NUMBER)
Field2 -> ORDERID (NUMBER)
Field3 -> PAYMENTDATE (DATE)
Field4 -> PAYMENTMETHOD (VARCHAR2)
Field5 -> AMOUNT (NUMBER)
Field6 -> TRANSACTIONID (VARCHAR2)

Field:
Fieldtype:

SQL function:

additional Oracle processing, for example: substr(# 1, 20)

	PAYMENTID	PAYMENTDATE	PAYMENTMETHOD	AMOUNT	TRANSACTIONID	ORDERID
1	3001	02/05/2024	Credit Card	150.00	4001	1001
2	3002	04/05/2024	PayPal	200.00	4002	1002
3	3003	06/05/2024	Bank Transfer	300.00	4003	1003
4	3004	08/05/2024	Cash	400.00	4004	1004
5	3005	10/05/2024	Credit Card	250.00	4005	1005
6	3006	12/05/2024	PayPal	350.00	4006	1006
7	3007	14/05/2024	Bank Transfer	450.00	4007	1007
8	3008	16/05/2024	Cash	500.00	4008	1008
9	3009	18/05/2024	Credit Card	600.00	4009	1009
10	3010	20/05/2024	PayPal	700.00	4010	1010

[Link for Text file \(.txt\)](#)



TEXT IMPORT GENERATOR: PRODUCT



Data from textfile | Data to Oracle

General

Owner: Table:

Commit every...: ☒ Overwrite duplicates ☐ Delete records ☐ Truncate table

Initializing Script:

Finalizing Script:

Fields

Field1 -> PRODUCTID (NUMBER)
Field2 -> NAME (VARCHAR2)
Field3 -> CATEGORY (VARCHAR2)
Field4 -> PRICE (NUMBER)
Field5 -> DESCRIPTION (VARCHAR2)
Field6 -> INVENTORYCOUNT (NUMBER)

Field:
Fieldtype:

SQL function:
additional Oracle processing, for example: substr(# 1 20)

Result Preview

1	2	3	4	5	6
PRODUCTID	NAME	CATEGORY	PRICE	DESCRIPTION	INVENTORYCOUNT

1	2001	Widget	Electronics	25.00	Compact and versatile	100
2	2002	Gadget	Electronics	50.00	High-tech and durable	200
3	2003	Thingamajig	Home Goods	15.00	Useful for everyday tasks	300
4	2004	Doohickey	Automotive	75.00	Innovative and practical	150
5	2005	Gizmo	Health	100.00	Advanced medical device	80
6	2006	Contraption	Industrial	200.00	Heavy-duty equipment	60
7	2007	Device	IT	150.00	High performance	120
8	2008	Apparatus	Construction	500.00	Rugged and reliable	50
9	2009	Instrument	Music	300.00	High fidelity	70

[Link for Text file \(.txt\)](#)



TEXT IMPORT GENERATOR: SUPPORT TICKET



Data from Textfile Data to Oracle

General

Owner: Table:

Commit every... ☐ Overwrite duplicates ☐ Ignore duplicates ☐ Delete records ☐ Truncate table

Initializing Script:

Finalizing Script:

Fields

Field1 -> TICKETID (NUMBER)
Field2 -> CUSTOMERID (NUMBER)
Field3 -> ACCOUNTMANAGERID (NUMBER)
Field4 -> ISSUEDescription (VARCHAR2)
Field5 -> STATUS (VARCHAR2)
Field6 -> CREATEDDATE (DATE)
Field7 -> RESOLVEDDATE (DATE)

Field:
Fieldtype:
Create SQL:

SQL function:
additional Oracle processing, for example: substr('#', 1, 20)

Result Preview

	1	2	3	4	5	6	7
	TICKETID	ISSUEDescription	STATUS	CREATEDDATE	RESOLVEDDATE	CUSTOMERID	ACCOUNTMANAGERID
1	4001	Unable to login	Open	01/05/2024	03/05/2024	12134353	34428347
2	4002	Payment not processed	In Progress	03/05/2024	07/05/2024	23894729	55839283
3	4003	Order not delivered	Resolved	05/05/2024	10/05/2024	87432904	44782930
4	4004	Product malfunction	Open	07/05/2024	10/05/2024	56290837	98745612
5	4005	Account suspended	In Progress	09/05/2024	14/05/2024	34789012	23456789
6	4006	Refund issue	Resolved	11/05/2024	13/05/2024	90875634	65748392
7	4007	Unable to contact support	Open	13/05/2024	18/05/2024	67983245	39485721
8	4008	Wrong item received	In Progress	15/05/2024	20/05/2024	45329087	83947563
9	4009	Website down	Resolved	17/05/2024	19/05/2024	12983475	49283756
10	4010	Order canceled but charged	Open	19/05/2024	22/05/2024	76348219	38572049

[Link for Text file \(.txt\)](#)



TEXT IMPORT GENERATOR: ORDER & PRODUCT M:N RELATION



Data from Textfile | Data to Oracle

General

Owner: Table: PART_OF

Commit every... 0

☐ Overwrite duplicates ☐ Delete records

☒ Ignore duplicates ☐ Truncate table

Initializing Script:

Finalizing Script:

Fields

Field1 -> ORDERID (NUMBER)

Field2 -> PRODUCTID (NUMBER)

Field: PRODUCTID (NUMBER)

Fieldtype: Number

Create SQL

SQL function:

additional Oracle processing, for example: substr(# 1, 20)

Result Preview

	ORDERID	PRODUCTID	ROWID	
1	1001	2001	AAATJwAABAAA6hAAA	***
2	1002	2003	AAATJwAABAAA6hAAB	***
3	1003	2002	AAATJwAABAAA6hAAC	***
4	1004	2004	AAATJwAABAAA6hAAD	***
5	1005	2001	AAATJwAABAAA6hAAE	***
6	1006	2005	AAATJwAABAAA6hAAF	***
7	1007	2006	AAATJwAABAAA6hAAG	***
8	1008	2007	AAATJwAABAAA6hAAH	***
9	1009	2008	AAATJwAABAAA6hAAI	***
10	1010	2009	AAATJwAABAAA6hAAJ	***

[Link for Text file \(.txt\)](#)



EXCEL IMPORT GENERATOR: USING [MOCKAROO.COM](https://mockaroo.com)



1) ACCOUNT MANAGER EXCEL

2) CUSTOMER EXCEL

3) ORDER EXCEL

4) PAYMENT EXCEL

5) PRODUCT EXCEL

6) SUPPORT TICKET EXCEL

7) PART OF (ORDER & PRODUCT M:N RELATION) EXCEL



EXCEL IMPORT GENERATOR: ACCOUNT MANAGER



Field Name	Type	Options
AccountManagerid	Row Number	blank: 0 % Σ X
name	First Name	blank: 0 % Σ X
email	Email Address	blank: 0 % Σ X
phone	Phone	format: ##### ∇ bl
department	Custom List	

Data from ODBC | Data to Oracle

General

Owner: Table: ACCOUNT_MANAGER

Commit every... 100

☒ Overwrite duplicates ☐ Delete records

☐ Ignore duplicates ☐ Truncate table

Initializing Script:

Finalizing Script:

Fields

AccountManagerid -> ACCOUNTMANAGERID

name -> NAME

email -> EMAIL

phone -> PHONE

department -> DEPARTMENT

Field: DEPARTMENT

Fieldtype: (String)

Create SQL

SQL function:

additional Oracle processing, for example: substr(1, 1, 20)

Result Preview

AccountManagerid	name	email	phone	department
1.0	Gaultiero	gmineghelli0@drupal.org	7106855900.0	Finance
2.0	Pacorro	piczokvitz1@gizmodo.com	5522789112.0	Customer Service



EXCEL IMPORT GENERATOR: CUSTOMERS



Field Name	Type	Options
customerid	Row Number	blank: 0 %
name	Country	restrict countries...
contactNumber	Phone	format: #####-#### blank: 0 %
email	Email Address	blank: 0 %
address	City	blank: 0 %
industryType	Custom List	Sales, Marketing, O...
accountManagerID	Row Number	blank: 0 %

Data from ODBC Data to Oracle

General

Owner: Table: CUSTOMERS

Commit every... 100

☒ Overwrite duplicates ☐ Delete records

☐ Ignore duplicates ☐ Truncate table

Initializing Script:

Finalizing Script:

Fields

customerid -> CUSTOMERID
name -> NAME
contactNumber -> CONTACTNUMBER
email -> EMAIL
address -> ADDRESS
industryType -> INDUSTRYTYPE
accountManagerID -> ACCOUNTMANAGERID

Field:

Fieldtype:

Create SQL:

SQL function:

additional Oracle processing, for example: cubetr# 1 200

Result Preview

customerid	name	contactNumber	email	address	industryType	accountManagerID
1.0	France	8726690092.0	fbollam0@hp.com	Vernon	Defense	1.0
2.0	Japan	2392368227.0	bpicknett1@soundcloud.com	Kitakami	Exploration	2.0



EXCEL IMPORT GENERATOR: ORDER



Field Name	Type	Options
orderid	Row Number	blank: 0 % Σ \times
orderDate	Datetime	05/21/2022 to 05/21/2023 format: mm/dd/yyyy blank: 0 % Σ
deliveryDate	Datetime	05/21/2023 to 05/21/2024 format: mm/dd/yyyy blank: 0 % Σ
status	Custom List	out for delivery, delayed, delivered, pending random blank: 0 %
totalAmount	Money	between 10000 and 1000000 in \$ blank: 0 % Σ \times
customerID	Row Number	blank: 0 % Σ \times

Data from ODBC Data to Oracle

General

Owner: Table: AIR_ORDER

Commit every... 100 ☐ Overwrite duplicates ☐ Delete records ☒ Ignore duplicates ☐ Truncate table

Initializing Script:
Finalizing Script:

Fields

orderid -> ORDERID
orderDate -> ORDERDATE
deliveryDate -> DELIVERYDATE
status -> STATUS
totalAmount -> TOTALAMOUNT
customerID -> CUSTOMERID

Field: TOTALAMOUNT
Fieldtype: (Float)
Create SQL:

SQL function:
additional Oracle processing, for example: substr(1, 20)

Result Preview

orderid	orderDate	deliveryDate	status	totalAmount	customerID
1.0	29/03/2023	08/06/2023	delivered	8408.0	1.0



EXCEL IMPORT GENERATOR: PAYMENT



Field Name	Type	Options
paymentid	Row Number	blank: 0 % Σ \times
paymentDate	Datetime	05/21/2022 to 05/21/2023 format: dd/mm/yyyy ∇ blank: 0 % Σ
paymentMethod	Custom List	credit card, PayPal, Venmo, Apple Pay, cash, stocks random ∇ blank: 0 %
Amount	Number	min: 1000 max: 10000 decimals: 0 blank: 0 % Σ \times
transictionID	Row Number	blank: 0 % Σ \times
orderId	Row Number	blank: 0 % Σ \times

Data from ODBC | Data to Oracle

General

Owner: ∇ Table: PAYMENT ∇

Commit every... 100 ∇

☐ Overwrite duplicates ☐ Delete records ☒ Ignore duplicates ☐ Truncate table

Initializing Script:

Finalizing Script:

Fields

paymentid -> PAYMENTID
 paymentDate -> PAYMENTDATE
 paymentMethod -> PAYMENTMETHOD
 Amount -> AMOUNT
 transictionID -> TRANSACTIONID
 orderId -> ORDERID

Field: TRANSACTIONID ∇
 Fieldtype: Number ∇
 Create SQL

SQL function:

additional Oracle processing, for example: subtr/# 1-20

Result Preview

paymentid	paymentDate	paymentMethod	Amount	transictionID	orderId
1.0	15/11/2022	credit card	8439.0	1.0	1.0



EXCEL IMPORT GENERATOR: PRODUCT



Field Name	Type	Options
productid	Row Number	blank: 0 % Σ X
name	Custom List	anti-aircraft missile system, drone detection radar, surface-to-air robot random blank: 0 % Σ
paymentMethod	Custom List	Missile Defense, Radar Detection, Anti-Aircraft Guns robot random blank: 0 % Σ
price	Number	min: 1000 max: 10000 decimals: 0 blank: 0 % Σ X
description	Custom List	curity, Innovative solution for safeguarding against airborne attac robot random blank: 0 % Σ
inventoryCount	Number	min: 1 max: 1000 decimals: 0 blank: 0 % Σ X

General					
Owner <input type="text"/>	Table <input type="text" value="PRODUCT"/>				
Commit every... 100	<input type="radio"/> Overwrite duplicates <input checked="" type="radio"/> Ignore duplicates <input type="checkbox"/> Delete records <input type="checkbox"/> Truncate table				
Initializing Script Finalizing Script					
Fields					
productid -> PRODUCTID	Field <input type="text" value="CATEGORY"/>				
name -> NAME	Fieldtype (Unknown [0])				
paymentMethod -> CATEGORY	<input type="button" value="Create SQL"/>				
price -> PRICE	SQL function				
description -> DESCRIPTION	additional Oracle processing, for example: substr(# 1, 20)				
inventoryCount -> INVENTORYCOUNT					
Result Preview					
productid	name	paymentMethod	price	description	inventoryCount
1.0	air defense artillery gun	Radar Detection	8798.0	Innovative solution for safeguarding against airbo	218.0



EXCEL IMPORT GENERATOR: SUPPORT TICKET



ticketid	Row Number	blank: 0 %	Σ	×
issueDescription	Custom List	Missile failed to launch due to technical malfunction, Missile veer	random	▼
status	Custom List	active, pending, completed, cancelled	random	▼
createdDate	Datetime	05/21/2022 to 05/21/2023	format: dd/mm/yyyy	blank
resolvedDate	Datetime	05/21/2023 to 05/21/2024	format: dd/mm/yyyy	blank
customerid	Row Number	blank: 0 %	Σ	×
accountManagerID	Row Number	blank: 0 %	Σ	×

Data from ODBC Data to Oracle

General						
Owner	Table SUPPORT_TICKET					
Commit every...	<input type="radio"/> Overwrite duplicates <input checked="" type="radio"/> Ignore duplicates					
100	<input type="checkbox"/> Delete records <input type="checkbox"/> Truncate table					
Initializing Script						
Finalizing Script						
Fields						
ticketid -> TICKETID	Field STATUS					
issueDescription -> ISSUEDescription	Fieldtype (String)					
status -> STATUS	Create SQL					
createdDate -> CREATEDDATE	SQL function					
resolvedDate -> RESOLVEDDATE	additional Oracle processing, for example: cube/# 1 20					
customerID -> CUSTOMERID						
accountManagerID -> ACCOUNTMANAGERID						
Result Preview						
ticketid	issueDescription	status	createdDate	resolvedDate	customerID	accountManagerID
1.0	Guidance system malfunction	open	08/05/2023	25/02/2024	1.0	1.0



EXCEL IMPORT GENERATOR: ORDER & PRODUCT M:N RELATION



Field Name	Type	Options
orderID	Row Number	blank: 0 % Σ \times
productID	Row Number	blank: 0 % Σ \times

+ ADD ANOTHER FIELD

GENERATE FILE

General

Owner: Table:

Commit every... 100

☐ Overwrite duplicates ☐ Delete records

☒ Ignore duplicates ☐ Truncate table

Initializing Script:

Finalizing Script:

Fields

orderID -> ORDERID

productID -> PRODUCTID

Field:

Fieldtype:

Create SQL

SQL function:

Result Preview

orderID	productID
1.0	1.0



SELECT TABLE SQL: SELECT ALL TABLES



```

SelectAll.sql X
SQL Output Statistics

-- selectAll.sql

-- Select all data from PRODUCT table
SELECT * FROM PRODUCT;

-- Select all data from PART_OF table
SELECT * FROM PART_OF;

-- Select all data from PAYMENT table
SELECT * FROM PAYMENT;

-- Select all data from SUPPORT_TICKET table
SELECT * FROM SUPPORT_TICKET;

-- Select all data from AIR_ORDER table
SELECT * FROM AIR_ORDER;

-- Select all data from CUSTOMERS table
SELECT * FROM CUSTOMERS;

-- Select all data from ACCOUNT_MANAGER table
SELECT * FROM ACCOUNT_MANAGER;
  
```

SUCCESSFUL select:

Select product Select part_of Select payment Select support_ticket Select air_order Select customers Select account_manager						
	ACCOUNTMANAGERID	NAME	EMAIL	PHONE	DEPARTMENT	
1	14586629	JohnnieBelle	johnnie.belle@loreal.com	48652062	mossad	
2	72425067	SamMyles	s.myles@gdatechnologies.com	75316645	idf	
3	60145908	ArnoldGuilfoyle	arnold.guilfoyle@adeasolutions.com	40405425	idf	
4	52106853	RonnieCrowe	ronnie.crowe@lindin.com	63502433	idf	
5	74291652	ToddLevine	tlevine@kramontrealty.fr	15138447	idf	
6	16433831	HoraceMars	hmars@clorox.uk	62269166	ministry of defence	



INSERT TABLE SQL: INSERT DATA



```
insert into SYS.CUSTOMERS (CUSTOMERID, NAME, CONTACTNUMBER, EMAIL, ADDRESS, INDUSTRYTYPE, ACCOUNTMANAGERID)
values (21314323, 'Switzerland', '87440006', 'timothy.palmer@swi.ch', '160 Ivan Street', 'shabak', (SELECT *

insert into SYS.CUSTOMERS (CUSTOMERID, NAME, CONTACTNUMBER, EMAIL, ADDRESS, INDUSTRYTYPE, ACCOUNTMANAGERID)
values (10937741, 'USA', '96641919', 'maureen.ronstadt@kis.com', '21st Street', 'mossad', (SELECT * FROM (SEI

insert into SYS.CUSTOMERS (CUSTOMERID, NAME, CONTACTNUMBER, EMAIL, ADDRESS, INDUSTRYTYPE, ACCOUNTMANAGERID)
values (22207567, 'USA', '57044218', 'rawlins.paul@universalsolutions.com', '31st Street', 'mossad', (SELECT

insert into SYS.CUSTOMERS (CUSTOMERID, NAME, CONTACTNUMBER, EMAIL, ADDRESS, INDUSTRYTYPE, ACCOUNTMANAGERID)
values (46394655, 'USA', '29934876', 'kitty.oszajca@microtek.com', '5 Cathy Road', 'shabak', (SELECT * FROM

insert into SYS.CUSTOMERS (CUSTOMERID, NAME, CONTACTNUMBER, EMAIL, ADDRESS, INDUSTRYTYPE, ACCOUNTMANAGERID)
values (86988212, 'USA', '61913632', 'kevn.waits@idas.com', '362 Ca
```

SUCCESSFUL insert:

Select product Select part_of Select payment Select support_ticket Select air_order Select customers Select account_manager

	ACCOUNTMANAGERID	NAME	EMAIL	PHONE	DEPARTMENT
1	14586629	JohnnieBelle	johnnie.belle@loreal.com	48652062	mossad
2	72425067	SamMyles	s.myles@gdatechnologies.com	75316645	idf
3	60145908	ArnoldGuilfoyle	arnold.guilfoyle@adeasolutions.com	40405425	idf
4	52106853	RonnieCrowe	ronnie.crowe@lindin.com	63502433	idf
5	74291652	ToddLevine	tlevine@kramontrealty.fr	15138447	idf
6	16433831	HoraceMars	hmars@clorox.uk	62269166	ministry of defence



DROP TABLE SQL: DELETE TABLES BY ORDER



SQL	Output	Statistics
<pre>drop table PART_OF; drop table PAYMENT; drop table PRODUCT; drop table SUPPORT_TICKET; drop table ORDER_; drop table CUSTOMER; drop table ACCOUNT_MANAGER;</pre>		

Drop part_of Drop payment Drop product Drop support_ticket Drop order_ Drop customer Drop account_manager

SUCCESSFUL DELETE:

First, we need to delete the tables that are not referenced by other tables using their primary key as a foreign key. Then, we need to delete the referenced tables in the correct order, ensuring that we delete the referencing tables before.



GIT EXPLANATION:



DBProject_4212_8447 / stage_one1 /

itaydabush5555 Add files via upload 80edf79 · now History

Name	Last commit message	Last commit date
..		
DGFiles	Delete stage_one1/DGFiles/tt.txt	4 hours ago
DIAGRAMS	Rename lev_finalsd.jpg to lev_final_dsd.jpg	3 hours ago
DataImporterFiles	Add files via upload	now
sql files	Delete stage_one1/sql files/description.txt	3 hours ago
submit.txt	Create submit.txt	yesterday

Repository name

DBProject_4212_8447:

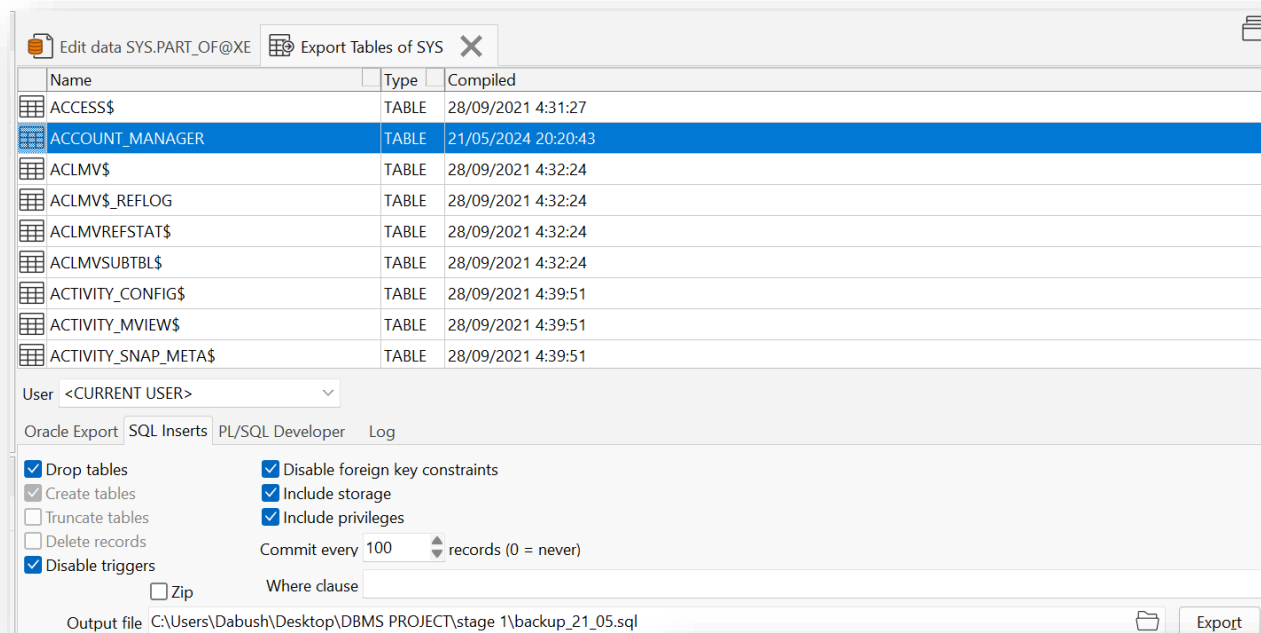
Directory stage_one1

contains the first level of the project, organized by 4 sub directories-

diagrams,
SQL files,
data import files,
data generator files



EXPORT BACKUP TABLES:



```
drop table PART_OF;
drop table PAYMENT;
drop table PRODUCT;
drop table SUPPORT_TICKET;
drop table AIR_ORDER;
drop table CUSTOMERS;
drop table ACCOUNT_MANAGER;
```



IMPORT BACKUP TABLES:

```
C:\app\Dabush\product\21c>
Disabling foreign key constraints for AIR_ORDER...
Disabling foreign key constraints for PART_OF...
Disabling foreign key constraints for PAYMENT...
Disabling foreign key constraints for SUPPORT_TICKET...
Loading ACCOUNT_MANAGER...
100 records committed...
200 records committed...
300 records committed...
400 records committed...
500 records committed...
510 records loaded
Loading CUSTOMERS...
100 records committed...
200 records committed...
300 records committed...
400 records committed...
500 records committed...
510 records loaded
Loading AIR_ORDER...
100 records committed...
200 records committed...
300 records committed...
400 records committed...
500 records committed...
510 records loaded
Loading PRODUCT...
```

