

constraint names).

Introduction to Database & Data Modeling PE #06

Spring 2023 (2225)

Due Date (See MyCou	rses ASSIGMEN	TS)	Assignment Box I	Assignment Box PE06	
Name: Please print	Last name (Las	stname, Firstname)	Khorramrouz, Adel		
EXAMPLE - PO_Detail	Table below is not i	in 3NF			
_			rderDate, BillToAddress, ce, Quantity,Date,Amount)		
Functional depend	dencies:				
PO# □ OrderDate,_Bill	ToAddress, ShipT	oAddress			
<u>CustID □</u> CustName, Co	ntactName				
<u>ProdID </u>	ion, UnitPrice				
PO#, Date □ Amount					
		*	ove, a "NORMALIZED" set of tables to hold tables/entities including Primary key's and for		
PO Detail(PO, C	ustID, Produc	ctID, Quantity)			
_					
Customer(<u>CustID</u>	CustName,	CustContact)			
Product(ProdID ,		,			
`	-	,			
PO (<u>PO</u> , OrderDa	te, Bill IoAdo	lress, ShipToAddres	3S)		
(fk)					
Paid_PO(<i>PO</i> , Dat	te, Amount)				
(fk)					
Two of the four $\underline{\mathbf{N}}$	<u>I</u> ust <u>E</u> xist <u>I</u> n sta	atements (M.E.I) are b	pelow:		
Paid PO(PO)	M.E.I.	PO Detail(P	°O)		
		PO Detail(P			

Create one long script file named $\underline{\underline{YourLastname_Week8.sql}}$ The script will create one database with 5

After your errors are out of your script file, create a tee file yourLastnamePE06.txt Run your error

tables. Make sure your script creates the correct Primary keys and foreign keys (Must use



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free script file while your tee file is open. Close your tee file. Convert your TEE (.txt) file to a .pdf file. Upload .sql, .txt and .pdf files to the assignment box. (Same as every homework)

MAKE SURE YOUR - VERBOSE OPTION IS ON AND WORKING WHEN YOU RUN YOUR SCRIPT.

For Page 2 Problem 1 and Problem 2, write the logical correct Functional Dependencies

<u>Page 2 - PROBLEM 1</u> for page 2 Problem 1 and problem 2 type or write neatly your answers and submit this document in .pdf format to the Assignment box.

Ship(BoatId, NbrOfPools, YearMade, Tonnage, CompanyId, CompanyName) Functional dependencies are?

companyId -> CompanyName

BoatID -> Nbrofpools, Yearmade, Tonnage, CompanyID

Page 2 - PROBLEM 2 QOH stands for Quantity On Hand

Inventory(PartNbr, Warehouse, Location, QOH, Weight, PartColor)

PartNbr	Warehouse	Location	QOH	Weight	PartColor
01	500	NW	135	11.75	Blue
01	600	SW	210	11.75	Blue
01	800	East	192	11.75	Blue
02	500	NW	75	2.50	Red
02	800	East	45	2.50	Red
03	500	NW	290	21.35	Green
03	600	SW	83	21.35	Green

Sample Data

Functional dependencies are?

PartNbr, Warehouse -> QOH

partNbr -> partColor, weight

Warehouse -> location



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