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1042 --Vince Ted Matthew D. Chua--
1043 --2BSCS2 || Information Management Laboratory ||--
1044 --October 22, 2022--
1045
1046
1047 --Laboratory Assignment 5--
1048
1049 --SQL Script 1:--List the transaction number, sales date, product code, description, unit and quantity from the hope database.
1050 --Sort according to transaction number and product code. Use LEFT JOIN in your solution.--
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1053 --Brief Explanation: s/p = indicates the name of the table row which stands for.
1054 --*LEGENDS* s = sales sd= sales detail & p= product
1055 --alternative WHERE CLAUSE & joining regardless of no matching.
1056 --Both carries transNo from two different tables.
1057 --[SALES TABLE(transNo) <--- SALES DETAIL(transNo)]
1058 --[SALES DETAIL (prodCode) <--- PRODUCT (prodCode)]
1059
1060 SELECT s.transNo, s.salesDate, p.prodCode, p.description, p.unit, sd.quantity
1061 FROM sales s
1062 LEFT JOIN salesDetail sd
1063 ON s.transNo = sd.transNo
1064 LEFT JOIN product p
1065 ON sd.prodCode = p.prodCode
1066 ORDER BY s.transNo, p.prodCode;
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SELECT s.transNo, s.salesDate, p.prodCode, p.description, p.unit, sd.quantity FROM sales s LEFT JOIN salesDetail sd ON s.transNo = sd.transNo LEFT JOIN pro ..

Run time: 0.009 s

Result set 1

Q Find

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TRANSNO	SALESDATE	PRODCODE	DESCRIPTION	UNIT	QUANTITY
TR000001	2010-06-27	AK0002	Micro Innovations Kb	pc	10.00
TR000001	2010-06-27	AM0003	IMICRO KB-IM8911U	pc	10.00
TR000001	2010-06-27	MD0001	ASUS VS228H-P 22-In	ea	10.00
TR000001	2010-06-27	PC0002	Dell 745 Opti Desk	ea	10.00
TR000002	2010-07-05	NB0001	Dell Inspiron Laptop	ea	5.00

The first 5 rows of the result set are shown here. Click ["View all loaded data"](#) to view all loaded rows.

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TRANSNO	SALESDATE	PRODCODE	DESCRIPTION	UNIT	QUANTITY
TR000001	2010-06-27	AK0002	Micro Innovations Kb	pc	10.00
TR000001	2010-06-27	AM0003	IMICRO KB-IM8911U	pc	10.00
TR000001	2010-06-27	MD0001	ASUS VS228H-P 22-In	ea	10.00
TR000001	2010-06-27	PC0002	Dell 745 Opti Desk	ea	10.00
TR000002	2010-07-05	NB0001	Dell Inspiron Laptop	ea	5.00
TR000002	2010-07-05	PR0001	Epson Expression	pc	1.00
TR000003	2010-07-05	PF0006	RED HAT Prof Edition	ea	1.00
TR000004	2010-07-07	AK0003	Steel APEX GAMING KB	pc	6.00
TR000004	2010-07-07	AM0004	STEEL Rival Mouse	pc	6.00
TR000004	2010-07-07	MD0004	Acer S231HL BBID 23	ea	6.00

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1065 UN sd.prodCode = p.prodCode
1066 ORDER BY s.transNo, p.prodCode;
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1073 --SQL Script 2:--
1074 --Display the employee number, last name, first name, job description, and effectivity date from the job history--
1075 --of the employee. Sort last name and effectivity date (last date first). Use LEFT JOIN.--
1076 SELECT e.empNo, e.lastName, e.firstName, j.jobDesc, jh.effDate
1077 FROM employee e
1078 LEFT JOIN jobHistory jh
1079 ON e.empNo = jh.empNo
1080 LEFT JOIN job j
1081 ON jh.jobCode = j.jobCode
1082 ORDER BY 2,5 DESC;
1083
1084 -- (2) e.lastName and (5) jh.effDate
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```

Result set 1

Q Find

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EMPNO	LASTNAME	FIRSTNAME	JOBDESC	EFFDATE
00051	Baltimore	Fergie	Sales Agent 1	2011-01-05
00027	Blanche	Ernest	Sales Agent 2	2011-01-12
00027	Blanche	Ernest	Sales Agent 1	2010-07-05
00035	Carlston	Voltaire	Accountant	2010-07-21
00017	Celestino	Nelia	Supervisor	2011-01-12

The first 5 rows of the result set are shown here. Click "View all loaded data" to view all loaded rows.

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EMPNO	LASTNAME	FIRSTNAME	JOBDESC	EFFDATE
00051	Baltimore	Fergie	Sales Agent 1	2011-01-05
00027	Blanche	Ernest	Sales Agent 2	2011-01-12
00027	Blanche	Ernest	Sales Agent 1	2010-07-05
00035	Carlston	Voltaire	Accountant	2010-07-21
00017	Celestino	Nelia	Supervisor	2011-01-12
00017	Celestino	Nelia	Sales Agent 1	2010-07-05
00009	Cerudo	Bambie	Manager	2010-12-01
00009	Cerudo	Bambie	Accountant	2010-05-30
00029	Chua	Evangeline	Manager	2011-01-02
00029	Chua	Evangeline	Supervisor	2010-07-05

```
1081 UN jh.jobCode = j.jobCode
1082 ORDER BY 2,5 DESC;
1083
1084 -- (2) e.lastName and (5) jh.effDate
1085
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1088 --SQL Script 3:--
1089 --Show total quantity sold from product table. Display product code, description, unit, quantity.--
1090 --Use RIGHT JOIN. Sort according to the most product sold.--
1091 --product table--
1092 SELECT p.prodCode, p.description, p.unit, SUM(sd.quantity) "OVERALL QUANTITY"
1093 FROM salesdetail sd
1094 RIGHT JOIN product p
1095 ON sd.prodCode = p.prodCode
1096 GROUP BY p.prodCode, p.description, p.unit
1097 ORDER BY 4 DESC;|
1098 --sd.quantity
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1103 --SQL Script 4:--
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Result set 1				Q Find	↑	↗
PRODCODE	DESCRIPTION	UNIT	OVERALL QUANTITY			
PF0002	Win7 Home Pre SP1 64	ea				
PC0004	Dell Inspiron 660	ea	444.00			
PC0002	Dell 745 Opti Desk	ea	149.00			
NB0005	Apple Mac Pro Laptop	ea	116.00			
AM0002	LOGITECH 910-002696	pc	61.00			
The first 5 rows of the result set are shown here. Click " View all loaded data " to view all loaded rows.						More

PRODCODE	DESCRIPTION	UNIT	OVERALL QUANTITY			
PF0002	Win7 Home Pre SP1 64	ea				
PC0004	Dell Inspiron 660	ea	444.00			
PC0002	Dell 745 Opti Desk	ea	149.00			
NB0005	Apple Mac Pro Laptop	ea	116.00			
AM0002	LOGITECH 910-002696	pc	61.00			
NH0003	Cisco 24-P G Switch	pc	56.00			
MD0001	ASUS VS228H-P 22-In	ea	54.00			
NB0002	ASUS Tformer Book	ea	54.00			
PC0003	Dell Inspiron Desk	ea	54.00			
MP0001	Apple iPhone 4 16GB	ea	51.00			

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1093 FROM sales s ON
1094 RIGHT JOIN product p
1095 ON sd.prodCode = p.prodCode
1096 GROUP BY p.prodCode, p.description, p.unit
1097 ORDER BY 4 DESC;
1098 --sd.quantity
1099
1100
1101
1102
1103 --SQL Script 4:--
1104 --Generate the detailed payments made by customers for specific transactions. Display customer number, customer name, payment date,
1105 --official receipt no, transaction number and payment amount. Sort according to the customer name. Use LEFT JOIN.--
1106 SELECT c.custNo, c.custName, p.payDate, p.ORNo, s.transNo, p.amount
1107 FROM customer c
1108 LEFT JOIN sales s
1109 ON c.custNo = s.custNo
1110 LEFT JOIN payment p
1111 ON p.transNo = s.transNo
1112 ORDER BY 2;
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SELECT c.custNo, c.custName, p.payDate, p.ORNo, s.transNo, p.amount FROM customer c LEFT JOIN sales s ON c.custNo = s.custNo LEFT JOIN payment p ON

Run time: 0.011 s

Result set 1

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Result set 1

CUSTNO	CUSTNAME	PAYDATE	ORNO	TRANSNO	AMOUNT
C0037	33Across	2011-02-15	OR000092	TR000064	6451.80
C0008	Abaxis, Inc	2010-07-20	OR000011	TR000010	1000.00
C0008	Abaxis, Inc	2010-09-05	OR000032	TR000028	498.59
C0028	Acumen Bldg Entp	2010-12-01	OR000056	TR000044	1503.60
C0051	American Indian Sch	2011-03-05	OR000113	TR000085	2626.12

The first 5 rows of the result set are shown here. Click "View all loaded data" to view all loaded rows.

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CUSTNO	CUSTNAME	PAYDATE	ORNO	TRANSNO	AMOUNT
C0037	33Across	2011-02-15	OR000092	TR000064	6451.80
C0008	Abaxis, Inc	2010-07-20	OR000011	TR000010	1000.00
C0008	Abaxis, Inc	2010-09-05	OR000032	TR000028	498.59
C0028	Acumen Bldg Entp	2010-12-01	OR000056	TR000044	1503.60
C0051	American Indian Sch	2011-03-05	OR000113	TR000085	2626.12
C0051	American Indian Sch	2011-03-05	OR000115	TR000096	858.40
C0006	Astronics, Inc	2010-08-01	OR000016	TR000018	4000.00
C0006	Astronics, Inc	2010-08-10	OR000019	TR000008	1000.00
C0006	Astronics, Inc	2010-08-15	OR000025	TR000018	1919.12
C0011	B&G Foods	2010-08-01	OR000015	TR000014	500.00

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1117 --SQL Script 5:--
1118 --What is the current price of  each product?  Display product code, product description, unit, and its current price.
1119 --Always assume that NOT ALL products HAVE unit price BUT you need to display it even if it has no unit price on it.
1120 --DO NOT USE INNER JOIN.
1121 --Deployed the selected statements--
1122 SELECT p.prodCode, p.description, p.unit, MAX(ph.unitPrice) AS "UPDATED PRICE"
1123 FROM product p --where it originated
1124 JOIN pricehist ph
1125 ON ph.prodCode=p.prodcode
1126 LEFT JOIN pricehist priceH --to find its matches
1127 ON ph.prodCode = priceH.prodCode
1128 Group BY p.prodCode, p.description, p.unit --sorting and organizing
1129 ORDER BY MAX(ph.unitPrice) DESC;
1130 --PROGRAM TERMINATED: CHUA, VINCE TED MATTHEW D.
1131 --2BSCS2 || INFORMATION MANAGEMENT 2022
1132
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SELECT p.prodCode, p.description, p.unit, MAX(ph.unitPrice) AS "UPDATED PRICE" FROM product p JOIN pricehist ph ON ph.prodCode=p.prodcode LEFT JOIN p ..

Run time: 0.011 s

Result set 1

Q Find

PRODCODE	DESCRIPTION	UNIT	UPDATED PRICE
PS0001	VirServ 12Core 128GB	pc	3200.00
NB0005	Apple Mac Pro Laptop	ea	1184.72
MD0005	Apple Dsplay MC914	ea	907.50
PS0002	Ms WinServer 2012	pc	699.99
PS0003	Cisco Virt Hardware	pc	599.99

PRODCODE	DESCRIPTION	UNIT	UPDATED PRICE
PS0001	VirServ 12Core 128GB	pc	3200.00
NB0005	Apple Mac Pro Laptop	ea	1184.72
MD0005	Apple Dsplay MC914	ea	907.50
PS0002	Ms WinServer 2012	pc	699.99
PS0003	Cisco Virt Hardware	pc	599.99
PC0004	Dell Inspiron 660	ea	538.00
NT0005	Samsung Glaxy Tab32G	ea	499.99
PC0001	CyberpowerPC Gamer	ea	499.99
MP0003	SAMSUNG GALAXY S4	ea	425.00
NT0001	Apple iPad Retna 16G	ea	412.49