Dustyne Brown

Homework 2-4

> set FEEDBACK 1

> --Problem 1--

> --List the Price of all books written by Authors who have an "h" in their last

> --name. Also list the price of the book if it's cost were increased by 5% and 10%.

> SELECT author.author\_num, RTRIM(author.author\_last) ||', '|| author.author\_first "Author Name", book.title "Book Title", book.price, ROUND((book.price \* 1.05), 2) "5% Inc",

ROUND((book.price \* 1.10), 2) "10% Inc"

FROM hen\_book book JOIN hen\_wrote wrote

ON (book.book\_code = wrote.book\_code)

JOIN hen\_author author

ON (wrote.author\_num = author.author\_num)

WHERE ((INSTR(author.author\_last, 'h') + INSTR(author.author\_last, 'H')) > 0)

ORDER BY book.price

AUTHOR\_NUM Author Name Book Title PRICE 5% Inc 10% Inc

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8 Chase, Truddi When Rabbit Howls 6.29 6.6 6.92

10 Heller, Joseph Catch-22 12 12.6 13.2

12 Hofstadter, Douglas R. Godel, Escher, Bach 14 14.7 15.4

17 Heaney, Seamus Electric Light 14 14.7 15.4

25 Schleining, Lon Treasure Chests 24.46 25.68 26.91

5 rows selected

> --Problem 2--

> --List all books sold in the Henry Eastshore branch. Include the Author's name,

> --Publisher's code, Book number, Type, and the Book's Price as well. Order the

> --books by their numbers.

> SELECT book.book\_code, book.type, RTRIM(author.author\_last) ||', '|| author.author\_first "Author Name", pub.publisher\_name, book.price

FROM hen\_branch branch JOIN hen\_inventory inv

ON(inv.branch\_num = branch.branch\_num)

JOIN hen\_book book

ON (book.book\_code = inv.book\_code)

JOIN hen\_wrote wrote

ON (book.book\_code = wrote.book\_code)

JOIN hen\_author author

ON (wrote.author\_num = author.author\_num)

JOIN hen\_publisher pub

ON (book.publisher\_code = pub.publisher\_code)

WHERE branch.branch\_num = 4

ORDER BY book.book\_code

BOOK\_CODE TYPE Author Name PUBLISHER\_NAME PRICE

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079X MYS Francis, Dick Putnam Publishing Group 24.95

2226 SFI Rowling, J.K. Scholastic Trade 13.96

2281 ART Collins, Bradley Westview Press 21

2281 ART Collins, Jr., Bradley Westview Press 21

2908 POE Heaney, Seamus Farrar Straus and Giroux 14

5790 FIC Heller, Joseph Scribner 12

7443 SFI Rowling, J.K. Scholastic Trade 18.16

9627 FIC Morrison, Toni Plume 14

9701 FIC Steinbeck, John Penguin USA 13

9883 FIC Salinger, J.D. Lb Books 5.99

10 rows selected

> --Problem 3--

> --Your Manager wants you to create him a list of all books published by

> --Jove Publications in the inventory. Include the price and if they are in

> --paperback or not.

> SELECT pub.publisher\_name, RTRIM(author.author\_last) ||', '|| author.author\_first "Author Name", book.title, book.paperback, inv.on\_hand, book.price

FROm hen\_author author JOIN hen\_wrote wrote

ON (author.author\_num = wrote.author\_num)

JOIN hen\_book book

ON (wrote.book\_code = book.book\_code)

JOIN hen\_publisher pub

ON(book.publisher\_code = pub.publisher\_code)

JOIN hen\_inventory inv

ON (inv.book\_code = book.book\_code)

WHERE pub.publisher\_name = 'Jove Publications'

ORDER BY pub.publisher\_name

PUBLISHER\_NAME Author Name TITLE PAPERBACK ON\_HAND PRICE

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Jove Publications Francis, Dick The Edge Y 1 6.99

Jove Publications Chase, Truddi When Rabbit Howls Y 3 6.29

Jove Publications Francis, Dick Slay Ride Y 3 6.99

3 rows selected

> --Problem 4--

> --The Manager at Henry On The Hill accidently signed his store up to donate all

> --the books in the store's inventory to charity if a certain cash goal was

> --obtained in charity donations. He was informed that the goal was 80%

> --completed and is beginning to panic. He has asked you to list number of different books, the total prices

> --of all on hand books, and list the total price paid for the books (The Store

> --buys books 50% off from publishers). Also list the branch locations since

> --your quary results will be sent to corporate.

> SELECT branch.branch\_name, branch.branch\_location “Location”,

COUNT(book.book\_code) Unique Books",

SUM(book.price \* inv.on\_hand)"Total Price",

ROUND((SUM(book.price \* inv.on\_hand) \* .5), 2) "Paid Price",

SUM(inv.on\_hand) "Total Books"

FROM hen\_branch branch JOIN hen\_inventory inv

ON (branch.branch\_num = inv.branch\_num)

JOIN hen\_book book

ON (inv.book\_code = book.book\_code)

WHERE branch.branch\_num = 2

GROUP BY branch.branch\_name, branch.branch\_location

BRANCH\_NAME Location Unique Books Total Price Paid Price TotalBooks

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Henry On The Hill 1289 Bedford 15 360.73 180.37 31

1 rows selected

> --Problem 5--

> --Henry would like to have the total numbers of publishers that he works with,

> --and the total number of different authors in his stores listed.

> --List them in branch number order, and include branch names, with average book price.

> SELECT branch.branch\_num, branch.branch\_name, COUNT(DISTINCT book.title) "Unique Titles", SUM(inv.on\_hand) "Total Books",

ROUND(AVG(book.price), 2) "AVG Price",

COUNT(DISTINCT (RTRIM(author.author\_last) ||', '|| author.author\_first)) "Total Authors",

COUNT(DISTINCT pub.publisher\_name) "Publsihers"

FROM hen\_branch branch JOIN hen\_inventory inv

ON(inv.branch\_num = branch.branch\_num)

JOIN hen\_book book

ON (book.book\_code = inv.book\_code)

JOIN hen\_wrote wrote

ON (book.book\_code = wrote.book\_code)

JOIN hen\_author author

ON (wrote.author\_num = author.author\_num)

JOIN hen\_publisher pub

ON (book.publisher\_code = pub.publisher\_code)

GROUP BY branch.branch\_num, branch.branch\_name

ORDER BY branch\_num

BRANCH\_NUM BRANCH\_NAME Unique Titles Total Books AVG Price Total Authors Publsihers

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1 Henry Downtown 11 24 14.53 11 10

2 Henry On The Hill 15 32 12.63 11 11

3 Henry Brentwood 12 29 14.58 8 9

4 Henry Eastshore 9 20 15.81 9 8

4 rows selected

> --Problem 6--

> --The Manager would like you to list the ratio of paper back to hardcover books,

> --the difference between the cheapest and most expensive books, and total value

> --of all the books in the Henry Downtown location. As well, list the total number

> --of employees in the entire franchise.

> SELECT branch.branch\_name, SUM(DISTINCT branch.num\_employees) “# of Employees”,

ROUND(((SUM(INSTR(book.paperback, 'Y')) \* 100) / COUNT(book.paperback)), 2) "% Of Paperback",

(MAX(book.price) - MIN(book.price)) "Price Range", SUM(book.price \* inv.on\_hand) "Inventory Value"

FROM hen\_branch branch JOIN hen\_inventory inv

ON(inv.branch\_num = branch.branch\_num)

JOIN hen\_book book

ON (book.book\_code = inv.book\_code)

JOIN hen\_wrote wrote

ON (book.book\_code = wrote.book\_code)

JOIN hen\_author author

ON (wrote.author\_num = author.author\_num)

JOIN hen\_publisher pub

ON (book.publisher\_code = pub.publisher\_code)

GROUP BY branch.branch\_name

BRANCH\_NAME # of Employees % Of Paperback Price Range Inventory Value

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Henry Brentwood 15 66.67 18 410.96

Henry Downtown 10 58.33 31.66 329.07

Henry Eastshore 9 40 18.96 336.95

Henry On The Hill 6 75 18.96 385.19

4 rows selected