Nathan Hamilton

CSCD 327-01

Lab 4

1. select Order\_num, LastName, FirstName, OrderDate

from ORDERS join CUSTOMERS using(Customer\_num)

where ShipDate is null

order by OrderDate;

|  |  |  |  |
| --- | --- | --- | --- |
| 1012 | NELSON | BECCA | 2009-04-03 |
| 1015 | FALAH | KENNETH | 2009-04-04 |
| 1016 | SMITH | LEILA | 2009-04-04 |
| 1019 | MONTIASA | GREG | 2009-04-05 |
| 1018 | MORALES | BONITA | 2009-04-05 |
| 1020 | JONES | KENNETH | 2009-04-05 |

2. select CUSTOMERS.Customer\_num, LastName, FirstName, Order\_num

from ORDERITEMS join BOOKS using(ISBN) join ORDERS using(Order\_num) join CUSTOMERS using(Customer\_num)

where Category = 'COMPUTER';

|  |  |  |  |
| --- | --- | --- | --- |
| 1017 | NELSON | BECCA | 1012 |
| 1007 | GIANA | TAMMY | 1007 |
| 1011 | MCGOVERN | REESE | 1002 |
| 1001 | MORALES | BONITA | 1003 |
| 1007 | GIANA | TAMMY | 1007 |
| 1019 | SMITH | JENNIFER | 1010 |
| 1014 | LEE | JASMINE | 1013 |
| 1001 | MORALES | BONITA | 1018 |
| 1003 | SMITH | LEILA | 1006 |
| 1007 | GIANA | TAMMY | 1007 |

3. select distinct TITLE

from CUSTOMERS join ORDERS using(Customer\_num) join ORDERITEMS using(Order\_num) join BOOKS using(ISBN)

where FirstName = 'JAKE' and LastName = 'LUCAS';

|  |
| --- |
| PAINLESS CHILD-REARING |
| HOW TO MANAGE THE MANAGER |

4. select Title, OrderDate, PaidEach - Cost as Profit

from BOOKS natural join ORDERITEMS natural join ORDERS natural join CUSTOMERS

where LastName = 'LUCAS' and FirstName = 'JAKE'

order by OrderDate, PaidEach - Cost desc;

|  |  |  |
| --- | --- | --- |
| PAINLESS CHILD-REARING | 2009-03-31 | 37.45 |
| HOW TO MANAGE THE MANAGER | 2009-03-31 | 16.55 |
| PAINLESS CHILD-REARING | 2009-04-03 | 37.45 |

5. select BOOKS.ISBN, Title

from AUTHOR natural join BOOKAUTHOR natural join BOOKS

where Lname = 'ADAMS';

|  |  |
| --- | --- |
| 8843172113 | DATABASE IMPLEMENTATION |

6. select Lname, Fname, Title

from AUTHOR natural join BOOKAUTHOR natural join BOOKS natural join ORDERITEMS

natural join ORDERS natural join CUSTOMERS

where LastName = 'NELSON' and FirstName = 'BECCA’;

|  |  |  |
| --- | --- | --- |
| BAKER | JACK | PAINLESS CHILD-REARING |
| FIELDS | OSCAR | PAINLESS CHILD-REARING |
| JONES | JANICE | REVENGE OF MICKEY |
| ROBINSON | ROBERT | PAINLESS CHILD-REARING |
| ROBINSON | ROBERT | BIG BEAR AND LITTLE DOVE |
| WHITE | WILLIAM | HANDCRANKED COMPUTERS |
| WHITE | LISA | HANDCRANKED COMPUTERS |

7. select Title, Order\_num, ShipState

from ORDERS natural join ORDERITEMS right outer join BOOKS using(ISBN);

|  |  |  |
| --- | --- | --- |
| HOW TO GET FASTER PIZZA |  |  |
| THE WOK WAY TO COOK |  |  |
| REVENGE OF MICKEY | 1009 | WA |
| REVENGE OF MICKEY | 1012 | MI |
| REVENGE OF MICKEY | 1014 | TX |
| REVENGE OF MICKEY | 1019 | GA |
| BODYBUILD IN 10 MINUTES A DAY | 1003 | FL |
| HANDCRANKED COMPUTERS | 1012 | MI |
| SHORTEST POEMS | 1005 | GA |
| PAINLESS CHILD-REARING | 1001 | GA |
| PAINLESS CHILD-REARING | 1004 | NJ |
| PAINLESS CHILD-REARING | 1011 | GA |
| PAINLESS CHILD-REARING | 1012 | MI |
| PAINLESS CHILD-REARING | 1016 | FL |
| COOKING WITH MUSHROOMS | 1000 | WA |
| COOKING WITH MUSHROOMS | 1003 | FL |
| COOKING WITH MUSHROOMS | 1008 | ID |
| COOKING WITH MUSHROOMS | 1009 | WA |
| COOKING WITH MUSHROOMS | 1015 | NJ |
| COOKING WITH MUSHROOMS | 1018 | FL |
| COOKING WITH MUSHROOMS | 1020 | WY |
| HOLY GRAIL OF ORACLE | 1007 | TX |
| BUILDING A CAR WITH TOOTHPICKS |  |  |
| BIG BEAR AND LITTLE DOVE | 1007 | TX |
| BIG BEAR AND LITTLE DOVE | 1012 | MI |
| BIG BEAR AND LITTLE DOVE | 1017 | FL |
| DATABASE IMPLEMENTATION | 1002 | IL |
| DATABASE IMPLEMENTATION | 1003 | FL |
| DATABASE IMPLEMENTATION | 1007 | TX |
| DATABASE IMPLEMENTATION | 1010 | NJ |
| DATABASE IMPLEMENTATION | 1013 | WY |
| DATABASE IMPLEMENTATION | 1018 | FL |
| HOW TO MANAGE THE MANAGER | 1001 | GA |
| E-BUSINESS THE EASY WAY | 1006 | FL |
| E-BUSINESS THE EASY WAY | 1007 | TX |

8. select count(Retail)

from BOOKS

where Retail > 30;

8

9. select max(PubDate)

from BOOKS;

2006-11-11

10. select sum((retail - cost) \* quantity)

from ORDERS natural join ORDERITEMS natural join BOOKS

where Customer\_num = 1017;

59.78

11. select min(Retail)

from BOOKS

where Category = 'CHILDREN';

8.95

12. select Customer\_num, count(Customer\_num)

from ORDERS

group by Customer\_num

having count(Customer\_num);

|  |  |
| --- | --- |
| 1001 | 2 |
| 1003 | 2 |
| 1004 | 1 |
| 1005 | 2 |
| 1007 | 2 |
| 1008 | 1 |
| 1010 | 2 |
| 1011 | 1 |
| 1014 | 1 |
| 1015 | 1 |
| 1017 | 1 |
| 1018 | 2 |
| 1019 | 1 |
| 1020 | 2 |

13. select PUBLISHER.Name, Category, avg(Retail)

from BOOKS natural join PUBLISHER

group by PUBLISHER.Name, Category

having avg(Retail) > 50;

|  |  |  |
| --- | --- | --- |
| AMERICAN PUBLISHING | COMPUTER | 52.300000 |
| PUBLISH OUR WAY | CHILDREN | 59.950000 |
| PUBLISH OUR WAY | COMPUTER | 54.500000 |
| REED-N-RITE | FAMILY LIFE | 89.950000 |

14. select LastName, FirstName, Order\_num, sum(retail \* quantity)

from CUSTOMERS natural join ORDERS natural join ORDERITEMS natural join BOOKS

group by Order\_num

having sum(retail \* quantity) > 80;

|  |  |  |  |
| --- | --- | --- | --- |
| LUCAS | JAKE | 1001 | 121.90 |
| MCGOVERN | REESE | 1002 | 111.90 |
| MORALES | BONITA | 1003 | 106.85 |
| FALAH | KENNETH | 1004 | 179.90 |
| GIANA | TAMMY | 1007 | 347.25 |
| LUCAS | JAKE | 1011 | 89.95 |
| NELSON | BECCA | 1012 | 170.90 |
| SMITH | LEILA | 1016 | 89.95 |

15. select max(Retail)

from BOOKS natural join BOOKAUTHOR natural join AUTHOR

where Lname = 'WHITE' and Fname = 'LISA';

39.95