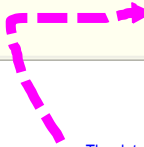|	
Week #4 Week of September 28th	Carolyn will be available Tues 2 - 3 and Thurs 2 - 4, I will come and go. I have an office hours Mon at 10 in my office. This is Enrollment Verification week and I have to verify you are in the class. If you have not passed in work or the email a week verifying you a in the class, then you need to contact me now to make sure you are not withdrawn from the class. Please listen to this video and read this handout about note taking. **Note taking video** **Cornell method of note taking** is the specific one to read. I also suggest checking out the other links on this page. This is not assignment even though it says it is. We are going to do it in class. For online students you should definitely take the time to go over th because it deals with flowcharts and Access. **Access SQL project (document version)** **Books database with SQL version** **SQL code (document version)**This is a copy of the SQL code in case it gets messed up Check back!

These are the problems we worked on in class.

The database that shows the queries and the SQL code listed on the document and that is the reference we will use answer the questions in the project.

Question #1: Either find an SQL query that matches this logic and copy and paste the SQL into the answers or write the SQL that will accomplish this logic and paste it into this document. If you write, be sure to test!

Two conditions in an OR relationship.
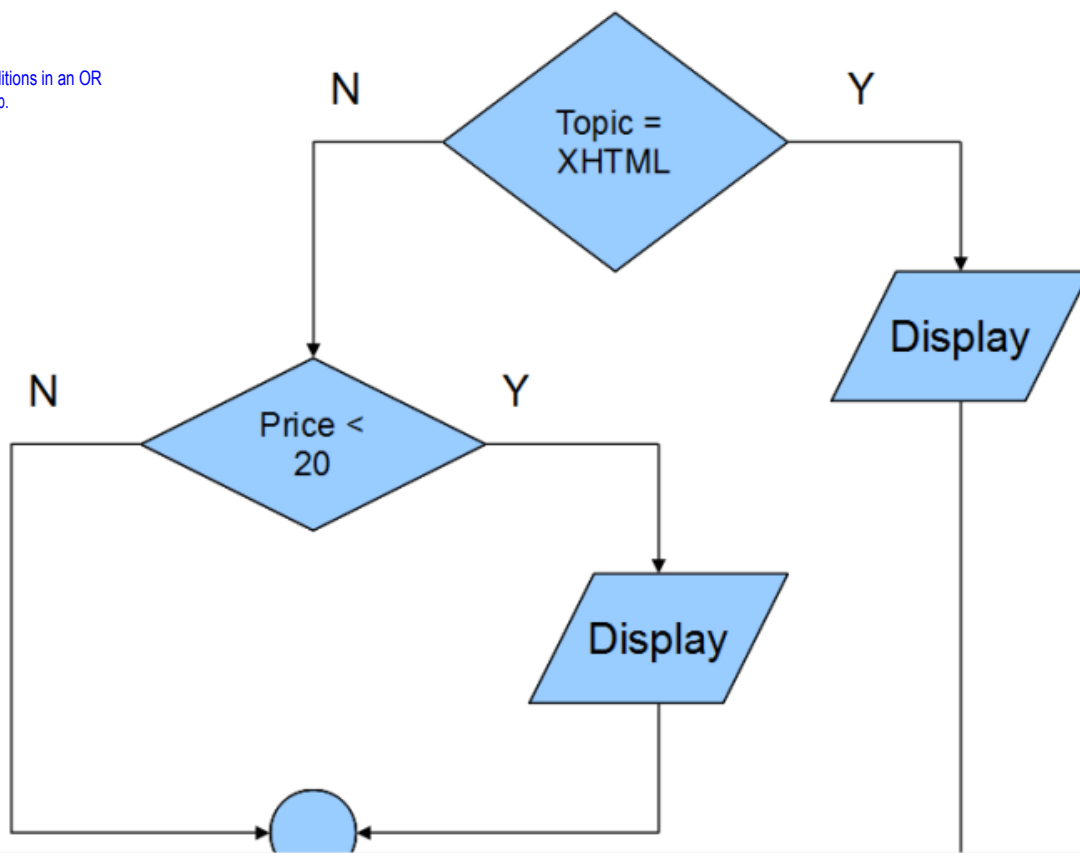
FILE   TOOLS   VIEW   SQL.doc (Protected View) - Word   ⊐ _ ⊟ ×

🛡 PROTECTED VIEW Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View.   [Enable Editing]   ×

FirstSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And price<20;

#1

OR

The first one was
two things in an OR
relationship.

SecondSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And yearPub=2008 Or
price<20;

ThirdSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="CSS" And yearPub<2009 And price<50;

FourthSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="CSS" And yearPub<2009 Or
topic="XHTML" And price<20;

FifthSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="CSS" And yearPub<2009 And
topic="XHTML" And price<20;

SixthSQL
SELECT isbn, title, topic, yearPub, price
FROM book

WHERE topic="CSS" Or yearPub<2009 And
topic="XHTML" Or price<20;

SeventhSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And (yearPub=2008 Or
price<20);

EighthSQL
SELECT isbn, title, topic, yearPub, price, publisher
FROM book
WHERE topic="CSS" And yearPub<2009 Or price<50 Or
publisher="Course Technology";

                                                              End of document ■

We need to look at the problem and then either find a solution or
write a solution.

SCREENS 1-2 OF 2   ▥ ▤ ▤ - ─┼─ + 140%

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The second problem. We need to find the SQL solution.

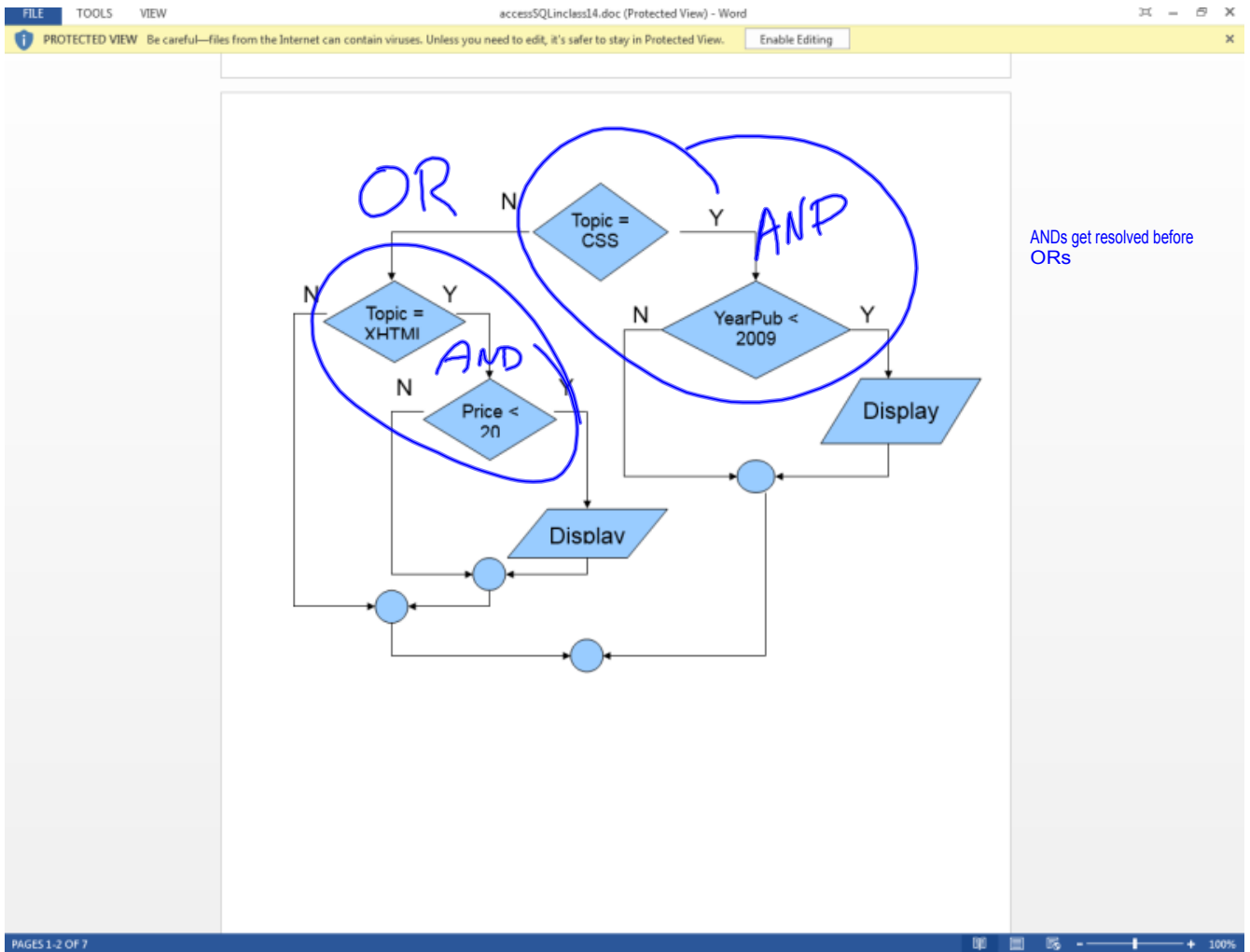FILE   TOOLS   VIEW   SQL.doc (Protected View) - Word   ⛶ — ⊟ ✕

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FirstSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And price<20;

SecondSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And yearPub=2008 Or
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FROM book
WHERE topic="CSS" And yearPub<2009 And price<50;

FourthSQL
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FROM book
WHERE topic="CSS" And yearPub<2009 Or
topic="XHTML" And price<20;

FifthSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="CSS" And yearPub<2009 And
topic="XHTML" And price<20;

SixthSQL
SELECT isbn, title, topic, yearPub, price
FROM book

WHERE topic="CSS" Or yearPub<2009 And
topic="XHTML" Or price<20;

SeventhSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And (yearPub=2008 Or
price<20);

EighthSQL
SELECT isbn, title, topic, yearPub, price, publisher
FROM book
WHERE topic="CSS" And yearPub<2009 Or price<50 Or
publisher="Course Technology";

End of document ■
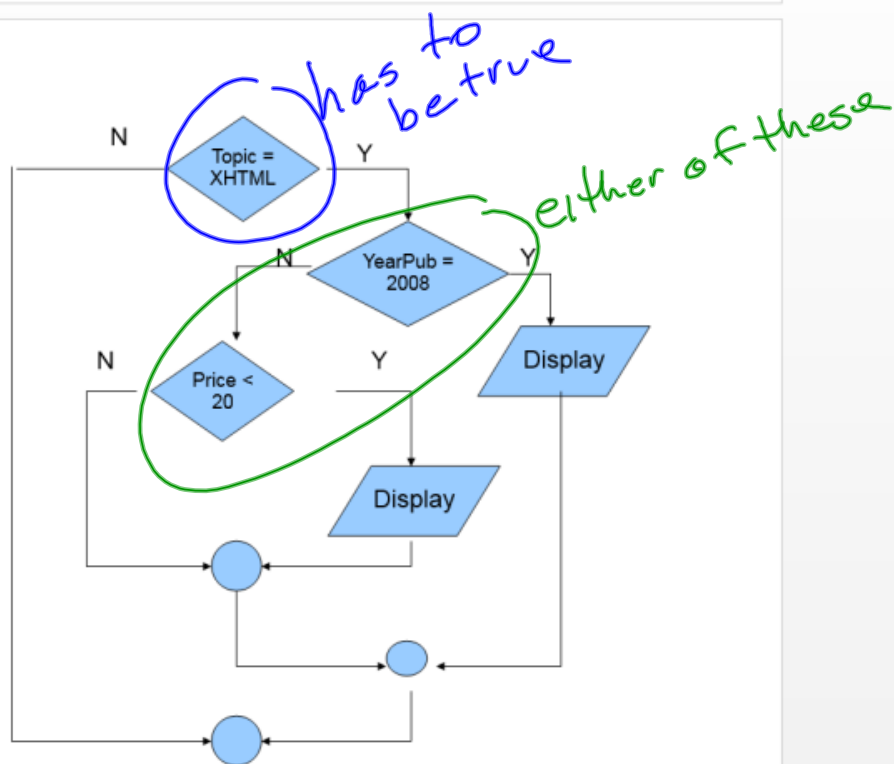
#2

Solution to the second flowchart problem: ANDs are resolved before ORs.
The first two conditions are in an AND relationship and they are grouped. The third and fourth conditions are in an AND relationship and they are grouped. Third the OR checks to see if either group is true.

CREENS 1-2 OF 2   ▦ ▥ ▤ - ——⬤—— + 140%

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WHERE topic="XHTML" And price<20;

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FROM book
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FROM book
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SELECT isbn, title, topic, yearPub, price
FROM book

WHERE topic="CSS" Or yearPub<2009 And
topic="XHTML" Or price<20;

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SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And (yearPub=2008 Or
price<20);

EighthSQL
SELECT isbn, title, topic, yearPub, price, publisher
FROM book
WHERE topic="CSS" And yearPub<2009 Or price<50 Or
publisher="Course Technology";

End of document

Optional parenthesis can be used but since ANDs are resolved
before ORs it will act the same way whether the parenthesis are
there or not.

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FirstSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And price<20;

#2 is not the answer because you have two conditions in an AND relationship and one that stands alone.

SecondSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And yearPub=2008 Or price<20;

just ①

ThirdSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="CSS" And yearPub<2009 And price<50;

FourthSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="CSS" And yearPub<2009 Or topic="XHTML" And price<20;

FifthSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="CSS" And yearPub<2009 And topic="XHTML" And price<20;

SixthSQL
SELECT isbn, title, topic, yearPub, price
FROM book

WHERE topic="CSS" Or yearPub<2009 And topic="XHTML" Or price<20;

SeventhSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And (yearPub=2008 Or price<20);

The solution to the third problem.

② either ①

EighthSQL
SELECT isbn, title, topic, yearPub, price, publisher
FROM book
WHERE topic="CSS" And yearPub<2009 Or price<50 Or publisher="Course Technology";

End of document

AND resolved before OR

Changes order resolved

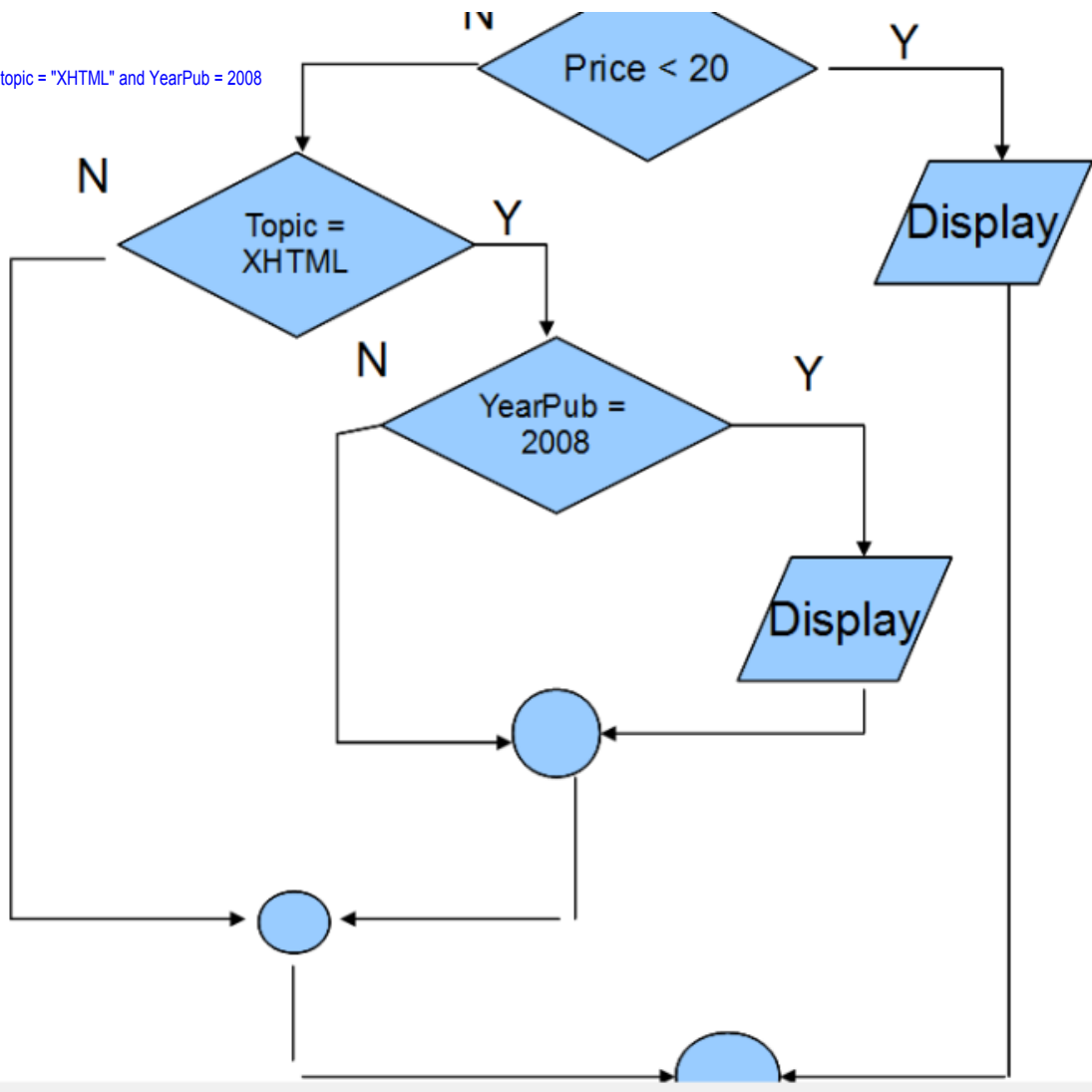SCREENS 1-2 OF 2   140%

Select *
From book
Where price < 20 OR
topic = "XHTML" OR
Yrpub = 2008

Answer to #4 - three things in an OR relationship.

We want either
price < 20
OR
the combination of topic = "XHTML" and YearPub = 2008
it does not matter
which of these you
ask first

N

Price < 20   Y

N

**Topic =
XHTML**   Y

Display

N

**YearPub =
2008**   Y

Display

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FirstSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And price<20;

SecondSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And yearPub=2008 Or
price<20;

alone

#5

this group

ThirdSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="CSS" And yearPub<2009 And price<50;

FourthSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="CSS" And yearPub<2009 Or
topic="XHTML" And price<20;

FifthSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="CSS" And yearPub<2009 And
topic="XHTML" And price<20;

SixthSQL
SELECT isbn, title, topic, yearPub, price
FROM book

WHERE topic="CSS" Or yearPub<2009 And
topic="XHTML" Or price<20;

SeventhSQL
SELECT isbn, title, topic, yearPub, price
FROM book
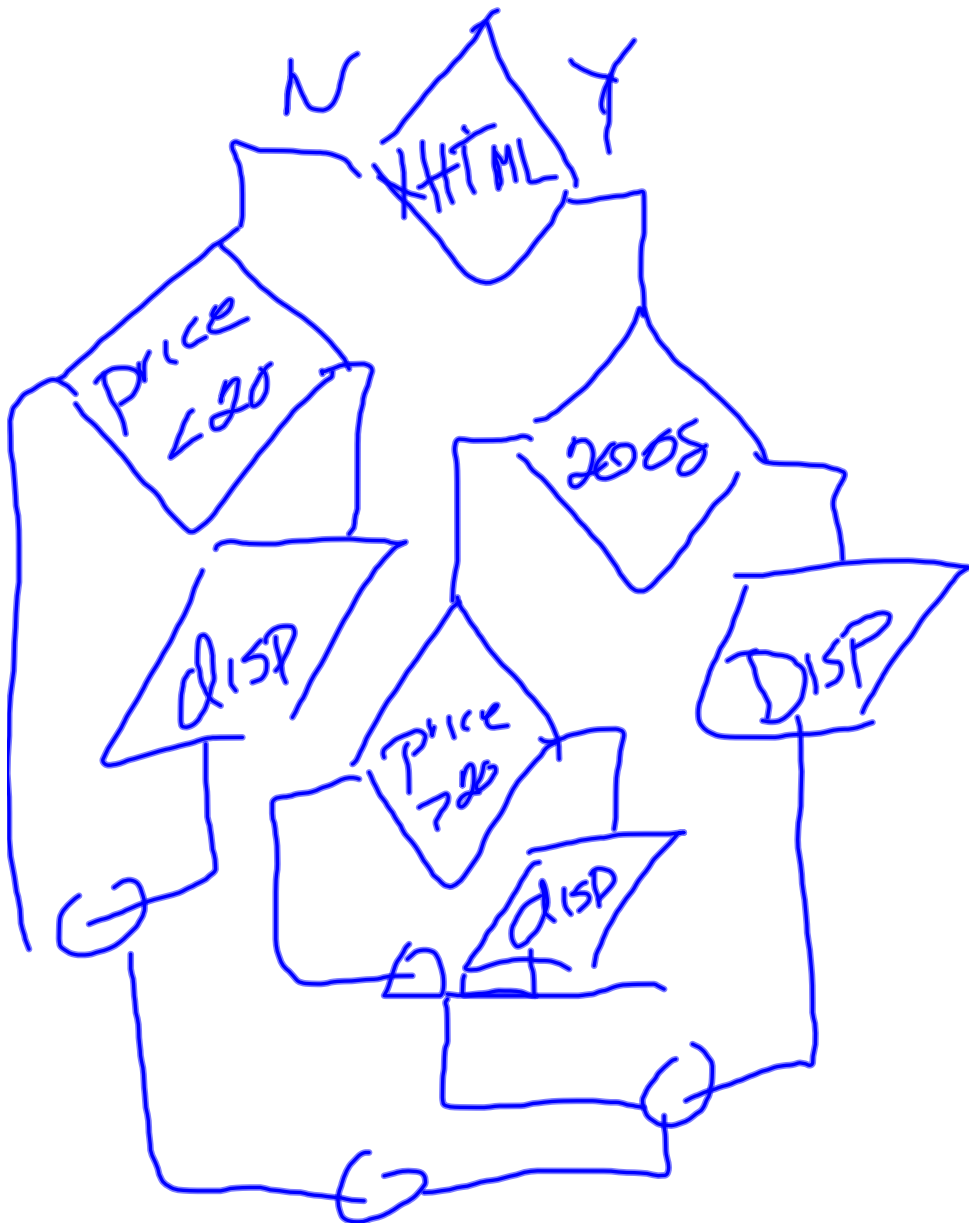WHERE topic="XHTML" And (yearPub=2008 Or
price<20);

EighthSQL
SELECT isbn, title, topic, yearPub, price, publisher
FROM book
WHERE topic="CSS" And yearPub<2009 Or price<50 Or
publisher="Course Technology";

End of document ■

The flowchart asked the price < 20 question first.

SCREENS 1-2 OF 2   140%

12

If I asked the XHTML and 2008 questions first, then I need to ask the price < 20 if I get a no to either of the first two questions.

accessSQLinclass14.doc [Read-Only] [Compatibility Mode] - Word

Grocer, Priscilla

answers or write the SQL that will accomplish this logic and paste it into this document. If you write, be sure to test!

Question #6

Select *
From book
Where Topic = "XHTML" AND
YearPub = 2068 AND
Price < 20

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topic="XHTML" And price<20;

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FROM book
WHERE topic="CSS" And yearPub<2009 And
topic="XHTML" And price<20;

SixthSQL
SELECT isbn, title, topic, yearPub, price
FROM book

WHERE topic="CSS" Or yearPub<2009 And
topic="XHTML" Or price<20;

SeventhSQL
SELECT isbn, title, topic, yearPub, price
FROM book
WHERE topic="XHTML" And (yearPub=2008 Or
price<20);

#7

EighthSQL
SELECT isbn, title, topic, yearPub, price, publisher
FROM book
WHERE topic="CSS" And yearPub<2009 Or price<50 Or
publisher="Course Technology";

End of document ■

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FROM book
WHERE topic="XHTML" And (yearPub=2008 Or
price<20);

EighthSQL
SELECT isbn, title, topic, yearPub, price, publisher
FROM book
WHERE topic="CSS" And yearPub<2009 Or price<50 Or
publisher="Course Technology";

End of document

SCREENS 1-2 OF 2   140%

Question #9:   Write the SQL query in Access to test for Course Technology as the publisher and either topic of CSS or price < 75.
Test it and copy and paste the solution into the answer sheet.

Question #10:   Write the SQL query in Access to test for Course Technology as the publisher and year published greater than
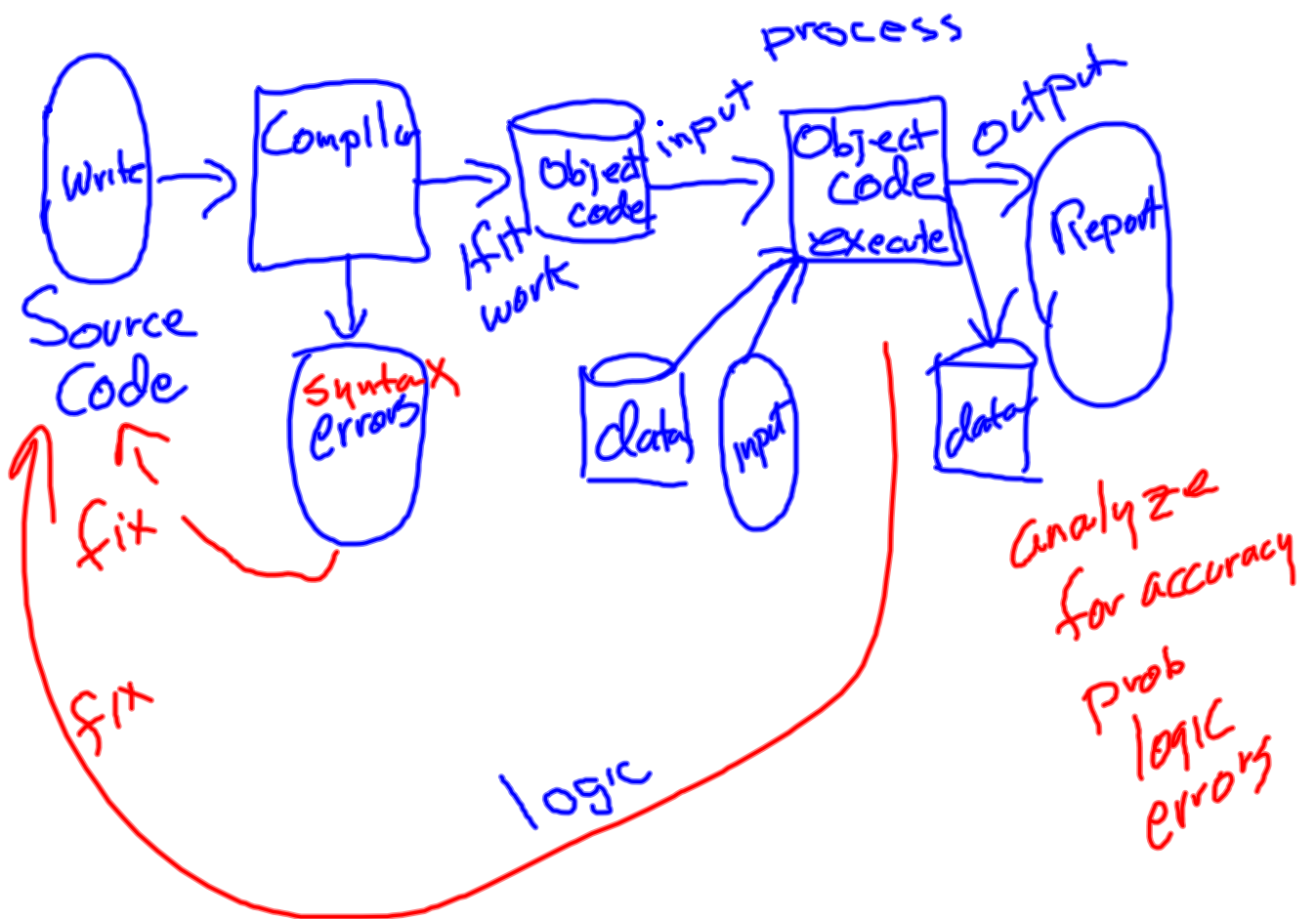2005 or price < 25.

group

#9
WHERE pub = "CourseTechnology" and (topic =
    "CSS" OR Price < 75)

#10 Where pub = "CourseTechnology" and yearpub >
    2005 or price < 25

We went through some of the key things in chapter #1 in the text.

Understand problem

Plan logic
　　　— logic flowchart
　　　— Pseudocode

Code

Translate   compiler or Interpreter
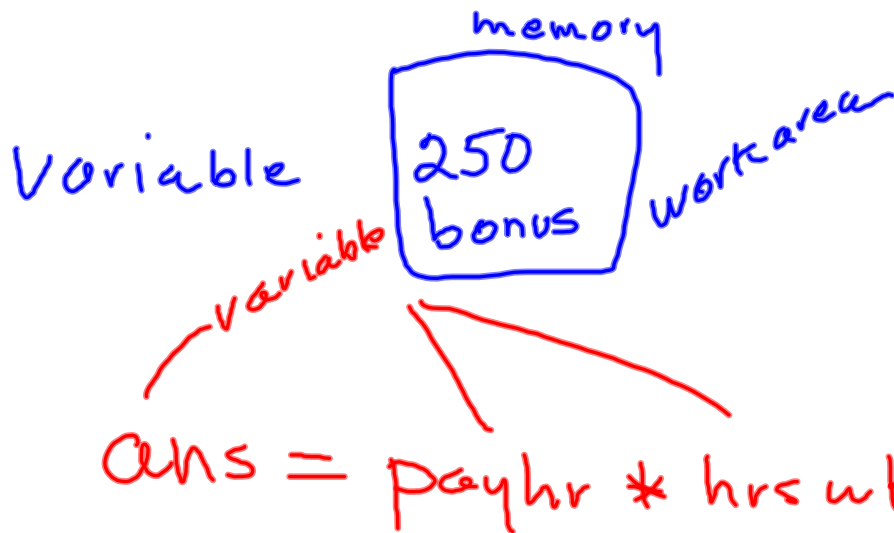
Test syntax & logic

　　— Programmer
　　— Outside
　　— with other programs

　　　　　　　　　　　　— parellel
　　　　　　　　　　　　　Systems

Production

Maintain

memory

Variable

250
bonus

variable　　　　work area

$ans = payhr * hrs wk$

assign result calculation to an!

$ct = ct + 1$　　take ct add 1 to ct
　　　　　　　　　& assign it back

　　　　　　　　　to ct