

Study Guide: Conditions, Chp. 3, 3.1 - 3.4, 3.5 - 3.6, 3.8 - 3.12, 3.15

Concept/Topic:	Text Notes:	Lecture Notes:
Describe boolean data types.		
Give an example of creating a variable that is a boolean type.		
Describe how to read in input for each of the 6 numeric types.		
Describe boolean expressions.		

List the 6 relational (i.e. comparison) operators.		
Describe if-statements.		
Give the syntax for an if-statement (i.e. if-block)		
Give the rule for when you are able to leave off the braces following an if-statement.		

Describe what happens when you leave off the braces and multiple statements follow the if-statement.		
Describe two-way if-else statements.		
Give the syntax for two-way if-else blocks (statements).		
Give the rule for when you are able to leave off the braces following an two-way if-else statement.		

Describe what happens when you leave off the braces and multiple statements follow the if portion of the two-way if-else block.		
Describe what happens when you leave off the braces and multiple statements follow the else portion of the two-way if-else block.		
What are S.O.P.L. and S.O.P. abbreviations for? Can these abbreviations be used in a real Java program?		
Describe nested if statements.		

Describe how the Java compiler views if blocks (one-line vs multiple lines).		
Describe multi-way if-else statements.		
List and describe 4 common errors when programming if statements.		
Describe a pitfall of programming if statements.		

List 3 logical operators.		
Describe what logical operators are used for.		
Describe the not (!) operator.		
Describe the and (&&) operator.		
Describe the or (  ) operator..		

Which gets evaluated first?   , && or ! ?		
---	--	--