Assignment 2

Name: Denis Nadarevic  
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Course: 60-140

1. Show the output produced by each of the following program fragments. Assume that i and j are int variables.
2. 6 16
3. 6 -7
4. 6 23
5. 6 15
6. Use the RAPTOR program to design an algorithm with flowchart that asks the user to enter a two-digit number, and then prints the number with its digits reversed.

*My Answer to question 2 is a RAPTOR file.*

1. Implement the algorithm to produce a C program that accomplishes what a2 2digits.rap does.

*My Answer to question 3 is a C program.*

1. The following program fragments illustrate the short-circuit behavior of logical expressions.
2. 1 3 4 5
3. 0 7 8 9
4. 1 8 8 9
5. 1 2 1 1
6. Use the RAPTOR program to design an algorithm with flowchart that modifies the *broker.c* program.

*My Answer to question 5 is a RAPTOR file.*

1. Implement the algorithm to produce a C program that accomplishes what *a2\_broker.rap* does, with an additional requirement to use the conditional operator (p. 83) at least once in the program.

*My Answer to question 6 is a C program.*