

Assembly Language 2014

Assignment #3

General notes:

- 1- Assignment deadline is Thursday 25th November 2014 11:59 PM.
- 2- Make a separate .asm file for each problem.
- 3- Make sure your code is running, we **won't fix** any syntax errors.
- 4- You MUST use procedures.

Problems:

1. Two Largest Number

Create a program that reads 10 integers and finds the two largest value among input integers.

2. Boolean Calculator

Create a program that functions as a simple Boolean calculator for 32-bit integers.

You should display a menu that asks the user to make a selection from the following list:

1. x AND y
2. x OR y
3. NOT x
4. x XOR y
5. Exit program

When the user makes a choice, ask him to enter values for x and y.

You should output the name of procedure done and the result.

Also the menu should be displayed again so the user can make more than one choice.

3. Test Score Evaluation

Write a program that asks the user to enter an integer test score between 0 and 100 and print the appropriate letter grade. The program should ask the user to enter the number of grades he wants to check at the beginning.

Score Range	Letter Grade
90 to 100	A
80 to 89	B
70 to 79	C
60 to 69	D
0 to 59	F

Sample:

Enter number of students: 2

Enter Grade: 98

Letter Grade: F

Enter Grade: 68

Letter Grade: D

4. Test Score Evaluation with range checking

Modify your previous program to perform range checking on the user's input: Display an error message if the test score is less than 0 or greater than 100.