

Intro to Programming COEN 10

Lab 5 Multiplication Game in C



Lab 5 - Multiplication Game

- You will create a Multiplication Game
- · How it works
 - The game gives two random numbers
 - The user gives the multiplication
 - The game checks the answer and output the result
 - The game repeats for 10 times
 - At the end the game shows the user the score in percentage.



Lab 5 - Multiplication Game

- You will use C in the Mac OS
 - Use your Mac OS account
 - · The home directory
 - · You don't need to do this on the web server
 - Edit the program using vi in the terminal
 - The program needs to be a ".c" file
 - Compile with gcc

gcc name.c

- Execute

./a.out

Lab 5 - Multiplication Game

- Write a main function
 - Which executes 10 times
 - Each time generates 2 numbers and shows to the user (printf)
 - Reads the answer (scanf)
 - Checks the result
 - Counts the number of correct answers
 - After 10 iterations, shows the user the score and returns.





Lab 5 – Multiplication Game

- Functions
 - scanf ()
 - printf ()
 - rand ()
 - returns a big number
 - to generate a number between 0 and 12 number = rand () % 13;
 - to seed the random function \rightarrow srand ()
 - Use the time as a seed to make it more random srand ((int) time (NULL));



Lab 5 - Multiplication Game

- When you are done
 - Demo
 - Play the game on the terminal to the TA
 - Submit
 - Upload the source code to Camino
 - Don't forget to put the following info on the top of the code:
 - Name
 - Lab section
 - Lab#