

On-Line Tools for CIS 1110

CodeLab

CodeLab is an online program for learning and practicing computer programming. CodeLab is available to you anywhere you have access to the world wide web. It is delivered and supported by a company called Turing's Craft, <http://www.turingscraft.com>.

How to Start Using CodeLab

REGISTRATION:

- 1) Go to www.tcgo1.com – OR – www.tcgo2.com
- 2) Click "Register for CodeLab"
- 3) choose "I am a student in a course ..." and click CONTINUE
- 4) enter the Section Access Code: (get this from your instructor) and click CONTINUE
- 5) continue filling out the forms being careful to enter a VALID email address and first and last names (these will appear in the professor's roster)

LOGIN:

- 1) Go to www.tcgo1.com – OR – www.tcgo2.com
 - 2) Click "Login to CodeLab"
- the username is the email address given during registration
the password is the password selected during registration

If you are a new user, after you log in for the first time, you should click PREFERENCES to change your password. PREFERENCES also will let you set a nickname to use for your username instead of your email address, and will let you set screen size dimensions for your CodeLab.

SmartTutor

Several faculty members in the CIS dept. have created an on-line interactive tutoring system for CISC 1110. SmartTutor is located at this URL (that first letter is an "ell" not a one):

<http://lc.brooklyn.cuny.edu/smarttutor/cisc1110/smartTutor.html>

Comparing CodeLab and SmartTutor

SmartTutor and CodeLab give you very different kinds of practice. SmartTutor presents you with examples and traces them step by step to show you what happens. SmartTutor then presents you with existing code, and asks you whether it is right or wrong, or asks you to figure out what the code will do. It also tells you whether your answer is correct or not; it is multiple choice and fill-in-the-blank. CodeLab presents you with a task, asks you to write C++ code for that task, and tells you whether your answer is correct or not. If it is incorrect, you must change your code, but it doesn't always tell you exactly what is wrong. It is probably best to do the SmartTutor exercises for a topic and then turn to CodeLab to try writing code yourself.