

CodeLab

CSCI08/A08

Note: Screenshots in these slides are from a recent term. They don't *exactly* match what you see this term, but you'll get the idea.

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How to Start Using CodeLab

The first 10 exercises in CodeLab are free so you can start doing the CodeLab homework before paying. But first you must register to get a username and password and put yourself on your instructor's CodeLab roster:

1. Go to this web site: <http://www.turingscraft.com>
2. Click REGISTER in the upper right hand corner of the page.
3. Choose the 'Student: I am in a course that uses CodeLab.'
4. You will be asked for your Section Access Code. Each time we teach CSC108 there is a different code; please be careful to use the correct one! Our code this term is: TORONT-€ see website
5. When asked to enter your name, be sure to use your real name (as it appears on ROSI). And when asked for your email address, use your UToronto email. (If you don't have

turingscraft register

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CodeLab®: A Powerful Tool for Programming Instruction

CodeLab is the web-based interactive programming exercise system for introductory programming classes in Python, Java, C++, C and other languages. Designed to reduce attrition and raise the overall level of the class, it is a heavily used, seasoned system that has been used in over 100 institutions. Since 2002, CodeLab has analyzed over nine million exercise submissions from more than 27,000 students.

A CodeLab has over 300 short exercises, each focused on a particular programming idea or language construct. The student types in code and the system immediately judges its correctness, offering hints when the submission is incorrect. Through this process, the student gains mastery over the semantics, syntax and common usage of the language elements.

STUDENTS and FACULTY:
Click [here](#) to register for your CodeLab account.
Click [here](#) to login to your CodeLab account.

Try a Demo
Click [HERE](#) to Register Your Free CodeLab Demo. (Instructors Only.)

What Instructors say
"Our students and instructors credit the labs and the CodeLab for improved marks." **Jeremy Silis, Professor, University of Toronto**
"CodeLab has indeed proven invaluable." **Glenn Jones, Professor, Medgar Evers College**
"It has helped me cover more material with better comprehension." **Marcus Darden, Professor, Olivet College**

What our Students say
"I think the CodeLab exercises are great." **Mark Manos, Student, University of Oklahoma**

The CodeLab Registrar ... continued

Please choose from one of the following:

- STUDENT: I am in a course that uses CodeLab.
- ON MY OWN: I am NOT in a course that uses CodeLab but would like to use it on my own.
- FACULTY: I am an instructor.

CANCEL

CONTINUE

Questions? Problems? Write to us at:
support@turingscraft.com



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USERNAME: PASSWORD:

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Welcome, Jennifer Campbell
School: Toronto
Instructor: Gries/Campbell
Course: 108 Section: St. George



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Intro. To Comp. Prog.

[CONTENT](#) / [ROSTER](#)

by topic

- Introduction to Programming, Using Python
- Week 2 (Due 15 Sep - UNDER CON
- Week 3 (Due 22 Sep - UNDER CONS
- Week 4 (Due 29 Sep - UNDER CONST
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- Week 6 (Due 14 Oct - UNDER CONST
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- Week 12 (Due 24 Nov - UNDER CON
- Exam Review (Not Required) - UNDER

Introduction to Programming, Using Python / Introduction to Programming, Using

Instructor's notes:

Welcome to Introduction to Programming!

Click to expand the category

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Intro. To Comp. Prog. CONTENT ROSTER

by topic HIDE COMPLETED

Introduction to Programming, Using Python

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 - Initializing Variables
 - 50013
 - 50043
 - Variables and Expressions
 - 50029
 - 50033
 - 50035
 - 50037
 - 50048
 - Changing Variables
 - 50093
 - 50095
 - 50169
- Week 3 (Due 22 Sep - UNDER CONSIDERATION)
- Week 4 (Due 29 Sep - UNDER CONSIDERATION)
- Week 5 (Due 6 Oct - UNDER CONSIDERATION)
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- Week 12 (Due 24 Nov - UNDER CONSIDERATION)
- Exam Review (Not Required) - UNDER CONSIDERATION

Introduction to Programming, Using Python / Introduction to Programming, Using Python

Instructor's notes:

Welcome to Introduction to Programming!

Click to view the exercise

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Intro. To Comp. Prog. WORK AREA SOLUTION ERRORS ROSTER

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50013 / Introduction to Programming, Using Python/Week 2 (Due 15 Sep - UNDER CONSIDERATION)

Define a variable `temperature` and make it refer to `98.6`.

SUBMIT

Type your solution here.

Type a solution and click Submit

SUBMIT

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LOGICAL ERROR

CodeLab analysis:

Remarks:

- At Execution
- Unexpected identifiers: `temp`

Problems Detected:

- temperature was not initialized properly

Fails When:

- basic test

For More Information: [VIEW TEST CASE TABLE](#)

Your submission

Possible locations of errors or opportunities for improvement have been marked. (Details)

`temp = 98.6`

Tips are given.

Red indicates that the exercise has been attempted, but is incorrect.

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50013 / Introduction to Programming, Using Python/Week 2 (Due 15 Sep - UNDER CONSIDERATION)

Define a variable `temperature` and make it refer to `98.6`.

SUBMIT

temperature = 98.6

Now we submit a different answer.

SUBMIT

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CORRECT!

CodeLab analysis:
 Nice one!

Your submission
 temperature = 98.6

PRINT FEEDBACK PREVIOUS NEXT

Green indicates that the exercise has been attempted and is correct.

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FEEDBACK PREVIOUS NEXT

Do not attempt the exercises until the "Under Construction" label has been removed. The exercises will be set at least a week before each due date.

Need help?

- For questions about payment, please contact Turingcraft directly. Contact information is available on their website: www.turingscraft.com
- For questions about the exercises, please feel free to ask your instructor.

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