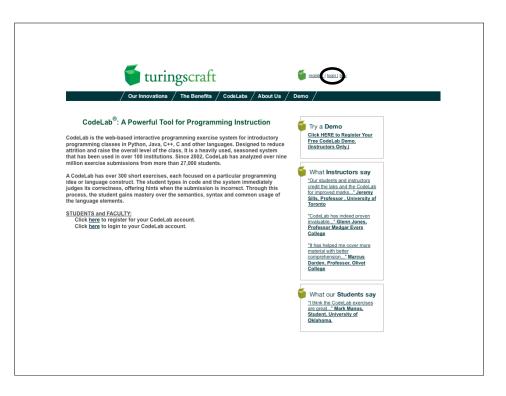# CodeLab
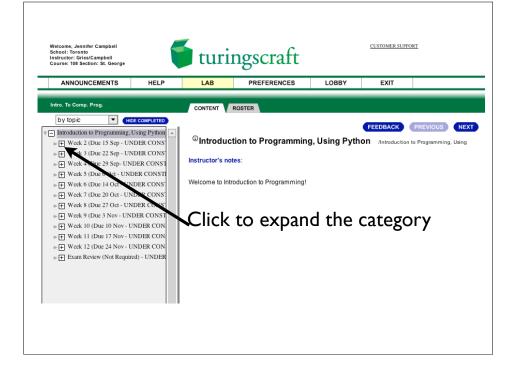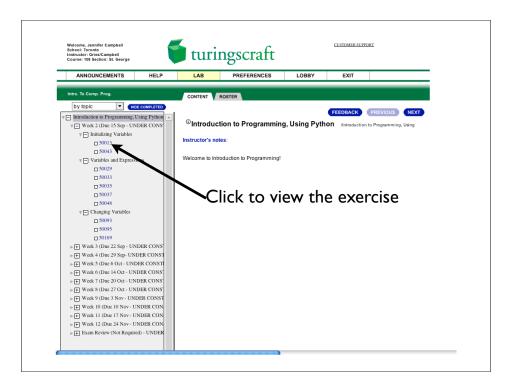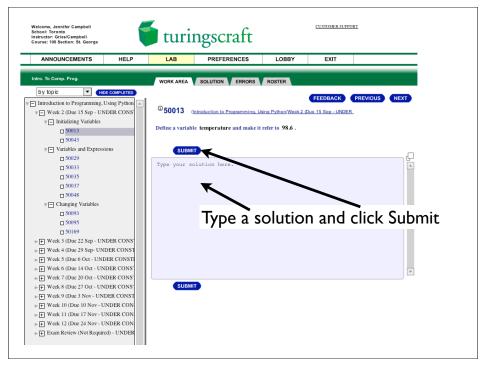
APS105

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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Our Innovations | The Benefits | CodeLabs | About Us | Demo

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.
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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 Sills, 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.

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Instructor: Gries/Campbell
Course: 108 Section: St. George

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Intro. To Comp. Prog.

CONTENT | ROSTER

by topic | HIDE COMPLETED

FEEDBACK PREVIOUS NEXT

Introduction to Programming, Using Python
 ▸ ⊞ Week 2 (Due 15 Sep - UNDER CONST
 ▸ ⊞ Week 3 (Due 22 Sep- UNDER CONST
 ▸ ⊞ Week 4 (Due 29 Sep- UNDER CONST
 ▸ ⊞ Week 5 (Due 6 Oct - UNDER CONSTI
 ▸ ⊞ Week 6 (Due 14 Oct - UNDER CONST
 ▸ ⊞ Week 7 (Due 20 Oct - UNDER CONST
 ▸ ⊞ Week 8 (Due 27 Oct - UNDER CONST
 ▸ ⊞ Week 9 (Due 3 Nov - UNDER CONST
 ▸ ⊞ Week 10 (Due 10 Nov - UNDER CON
 ▸ ⊞ Week 11 (Due 17 Nov - UNDER CON
 ▸ ⊞ 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

Slide 1

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Intro. To Comp. Prog.

CONTENT   ROSTER

by topic   HIDE COMPLETED

FEEDBACK   PREVIOUS   NEXT

Introduction to Programming, Using Python
 Week 2 (Due 15 Sep - UNDER CONST
  Initializing Variables
   50013
   50043
  Variables and Expressions
   50029
   50033
   50035
   50037
   50048
  Changing Variables
   50093
   50095
   50169
 Week 3 (Due 22 Sep - UNDER CONST
 Week 4 (Due 29 Sep- UNDER CONST
 Week 5 (Due 6 Oct - UNDER CONST
 Week 6 (Due 14 Oct - UNDER CONST
 Week 7 (Due 20 Oct - UNDER CONST
 Week 8 (Due 27 Oct - UNDER CONST
 Week 9 (Due 3 Nov - UNDER CONST
 Week 10 (Due 10 Nov - UNDER CON
 Week 11 (Due 17 Nov - UNDER CON
 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 view the exercise

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Intro. To Comp. Prog.

WORK AREA   SOLUTION   ERRORS   ROSTER

by topic   HIDE COMPLETED

FEEDBACK   PREVIOUS   NEXT

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

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

SUBMIT

Type your solution here.

SUBMIT

Type a solution and click Submit

Slide 3

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Intro. To Comp. Prog.

WORK AREA   RESULTS   SOLUTION   ERRORS   ROSTER

by topic   HIDE COMPLETED

PRINT   FEEDBACK   PREVIOUS   NEXT

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

LOGICAL ERROR

CodeLab analysis:

Remarks:
 At Execution
 Unexpected identifiers: temp

Problems Detected:
 temperature was not intialized 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.

Slide 4

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Intro. To Comp. Prog.

WORK AREA   RESULTS   SOLUTION   ERRORS   ROSTER

by topic   HIDE COMPLETED

FEEDBACK   PREVIOUS   NEXT

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

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

SUBMIT

temperature = 98.6

SUBMIT

Now we submit a different answer.

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

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.
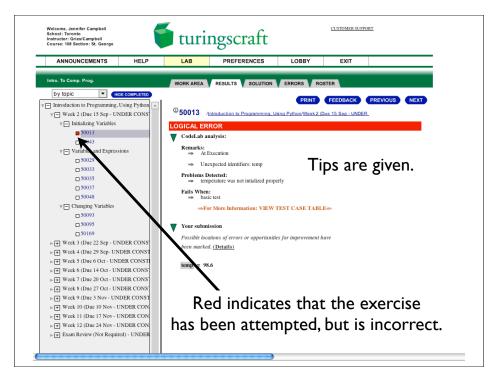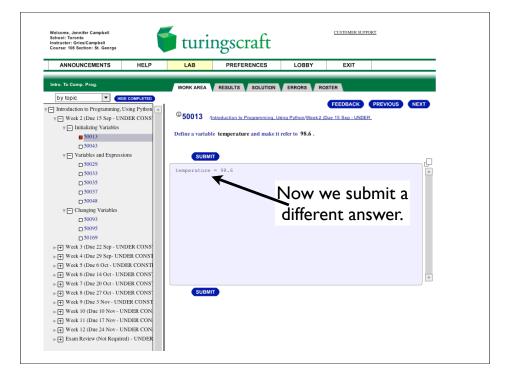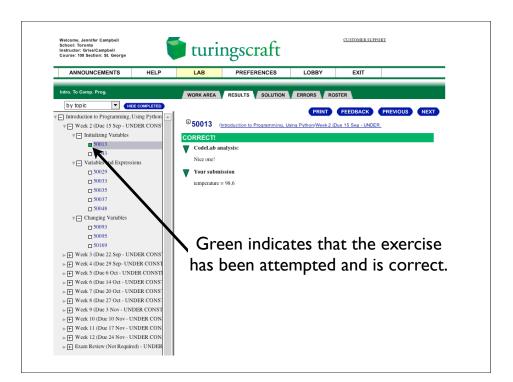
Need help?

- For questions about payment, please contact Turingscraft directly. Contact information is available on their website: www.turingscraft.com

- For questions about the exercises, please feel free to ask your instructor.