

PROGRAMMING ASSIGNMENTS
CS1337 Computer Science I

Check your WebCT account for updates, changes, hints, etc. before starting an assignment. Please assume any of the following assignments may be modified or replaced. Additional information or requirements needed for completing each assignment will be provided on WebCT. The assignments will be explained in class. Note: the number of assignments may increase or decrease depending on the progress in the course during the semester.. Each assignment requires a program which demonstrates its correct functioning.

Assessment #1: (Self Assessment Test)

Go to your WebCT account and take the readiness evaluation. This will help you judge if you are prepared for for CSI. If you have too many problems you should consider taking CS0 first.

Homework #1A: (Programming fundamental)

Input temperature in Fahrenheit and output conversion to Centigrade.
Use JOptionPane for input and output of data and results.
Use a method to implement the F2C formula, $C = 5*(F-32)/9$.

Homework #2A: (Classes)

Program #6.7 Textbook, Chap 6, p344 Classes/Objects

Homework #3A: (GUI)

Program #7.5 Textbook, Chap 7, p433 Theater Revenue

Homework #4B: (Arrays)

(1)Program #8.6 Textbook, Chap 8, p518 Quarterly Sales Statistics

(2)Create a 2D Ragged array. Then display the array, the Array's number of rows, and the number of columns in each row. (Hints: p480 List 8-16, p489)

Homework #5B: (Objects)

Program #9.9 Textbook, Chap 9, p585 Geometry Calculator
(Hints: chap 4, p217)

Homework #6B: (Strings/Wrapper)

Program #10.2 Textbook, Chap10, p638 Word Counter

Homework #7C: (Inheritance)

Program #11.9 Textbook, Chap 11, p718 Bank Account

Homework #8C: (Exceptions)

Program #12.1 Textbook, Chap 12, p772 Test Scores

Homework #9C: (GUI/Components)

Program #13.2 Textbook, Chap 13, p839 Image Viewer
(Hints: p802 List 13-5, p810 Fig 13-21)

Homework #10C: (Graphics)

Program #14.5 Textbook, Chap 14, p916 Polygon Drawer
(Hints: p878 Fig 14-13, p894 List 14-20)