

# CSCI C200 INTRODUCTION TO COMPUTERS AND PROGRAMMING

## FALL 2019 GRADE REPORT

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October 30, 2019

# Assignment 1

Assigned: September 4, 2019

Due: September 11, 2019

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## Problem 1

### **windchill.py**

50 points total

10/10 points for correct Assignment1 folder setup

10/10 points for correct module name

10/10 points for proper variable names in the calculation (T and V)

20/20 points for proper calculation

**Score: 50/50**

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## Problem 2

### **creditcard.py**

50 points total

10/10 points for correct Assignment1 folder setup

10/10 points for correct module name

10/10 points for proper variable names in the calculation (APR, C, P, i)

20/20 points for proper calculation

**Score: 50/50**

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**Total Score: 100/100**

## Assignment 2

Assigned: September 12, 2019

Due: September 18, 2019

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### Problem 1

**mayhem.py**

195 points total

120/120 points for functions [10 points each]:

`speed`, `distance`, `time`, `hours_to_min`, `min_to_sec`, `feet_to_mile`, `miles_to_kilometers`, `kilometers_to_miles`, `miles_to_feet`, `degrees_to_radians`, `parsecs_to_kilometers`, and `lightyears_to_parsecs`.

75/75 points for functions [15 points each]:

`side_length_triangle`, `celsius_to_fahrenheit`, `fahrenheit_to_celsius`, `kelvin_to_fahrenheit`, and `percent_change`.

*Perfect!*

Score: 195/195

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### Problem 2

**2019tax.py**

60 points total

25/25 points for proper implementation of the `unmarriedTax` function.

25/25 points for proper implementation of the `marriedTax` function.

10/10 points for answering observational question.

*Perfect!*

Score: 60/60

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### Problem 3

**lestat.py**

80 points total

40/40 points for implementation of the `receiveFrom` function with correct output.

40/40 points for implementation of the `donateTo` function with correct output.

*Perfect!*

**Score:** 80/80

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#### **Problem 4**

**coolline.py**

35 points total

10/10 points for changing the title of the graph.

25/25 points for adding the new function to the plot.

*Perfect!*

**Score:** 35/35

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**Total Score:** 370/370

## Assignment 3

Assigned: September 19, 2019

Due: September 25, 2019

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### Problem 1

**funwithfunctions.py**

135 points total

135/135 points for functions [15 points each]:

*Great job !*

**Score: 135/135**

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### Problem 3

**qc1.py**

50 points total

15/15 points for printing a message indicating `complex` or `not complex`.

35/35 points for a correct implementation of the `q` function with appropriate return structure for quadratic solutions.

*Good work !*

**Score: 50/50**

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### Problem 4

**if.py**

75 points total

75/75 points for conditional statements correctly re-written [15 points for each group]:

*Good work !*

**Score: 75/75**

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## Problem 5

### precmetal.py

75 points total

30/30 points for proper implementation of the `preciousMetalToDollars` function.

45/45 points for proper implementation of the `purchase` function.

*Great work!*

**Score: 75/75**

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## Problem 6

### myclock.py

25 points total

10/10 points for changing title.

15/15 points for changing font.

*Great job!*

**Score: 25/25**

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**Total Score: 360/360**

## Assignment 4

Assigned: September 25, 2019

Due: October 2, 2019

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### Problem 1

**funtriangle.py**

45 points total

0/45 points for correct triangle output [15 points each]:

*Great job 100%*

**Score: 45/45**

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### Problem 2

**makeitrain.py**

40 points total

0/30 points for correct implementation of `dollars` function.

0/10 point for appropriate return values and structure.

*Great job 100%*

**Score: 40/40**

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### Problem 3

**donor.py**

60 points total

0/30 points for proper implementation of `red_blood_compatibility` function with appropriate return values.

0/30 points for proper implementation of `transfusion` function with appropriate return values.

*Great job 100%*

**Score: 60/60**

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## Problem 4

**palindrome.py**

40 points total

0/40 points for correct implementation of `palindrome` function.

*Great job 100%*

**Score: 40/40**

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## Problem 5

**roman.py**

50 points total

0/50 points for correct implementation of `roman` function.

*Great job 100%*

**Score: 50/50**

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## Problem 6

**moreloops.py**

115 points total

0/75 points for correct implementation [15 points each] of  
`maxFor`, `maxWhile`, `minFor`, `myReplace` functions, `StringConcat`

0/40 points for correct implementation [20 points each] of  
`RemoveEvens`, `sumOdd`

*-2 `maxFor`, `maxWhile`, `minFor` should return empty list when provided  
empty list as input*

**Score: 113/115**

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## Problem 7

**farm.py**

50 points total

0/50 points for correct implementation of `roman` function.

*Great job 100%*

**Score:** 50/50

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**Total Score:** 398/400

## Assignment 5

Assigned: October 3, 2019

Due: October 9, 2019

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### Problem 1

#### entropy.py

60 points total

0/30 points for correct implementation of the `makeProbability` function:

0/30 points for correct implementation of the `entropy` function:

*good job .*

Score: 60/60

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### Problem 2

#### magic.py

60 points total

0/40 points for correct encantation [8 points each]

0/10 points for correct order of encantation

0/10 points for correct return value

*good job .*

Score: 60/60

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### Problem 3

#### ones.py

40 points total

0/40 points for correct implementation of the `lr` function

*good job .*

Score: 40/40

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## Problem 4

**nines.py**

40 points total

0/40 points for correct implementation of the `div_9` function

*good job .*

**Score:** 40/40

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## Problem 5

**squares.py**

40 points total

0/40 points for correct implementation of the `sq` function

*good job .*

**Score:** 40/40

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## Problem 6

**luddy.py**

70 points total

0/15 points for correct implementation of the `area` function

0/15 points for correct implementation of the `f` function

0/20 points for brute force solution

0/20 points for numpy solution

*good job .*

**Score:** 70/70

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## Problem 7

wish.py

50 points total

0/50 points for correct implementation of the `is_magic` function

*good job.*

Score: 50/50

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Total Score: 360/360

## Assignment 6

Assigned: October 11, 2019

Due: October 14, 2019

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### Problem 1

#### alpha.py

80 points total

10/10 points for correctly opening and reading the file from the correct location

20/20 points for correctly reading the file contents

10/10 points for setting up the dictionary

30/30 points for counting lowercase letters

10/10 points for properly returning the dictionary of counted letters

*-10 for not closing the file handler*

**Score:** 70/80

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**Total Score:** 70/80