



Columbia College
Vancouver, Canada

Introduction to Computer Science and Programming 1
CSCI120

Chapter10: Tuples

Sample Codes

Note: This document has been designed and developed as part of an initiative for creating an OER (Open Education Resource) package for the course CSCI 120 at Columbia College.

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Last Modified: July 2022



Problem1

- Write a function that receives a tuple of integers and calculate the average of the numbers in the tuple.

Problem2

- Define and implement function that could solve mathematical equation in the following format and find the value of x in the equation.
- Format: $ax + b = c$
- Example: $2x - 5 = 8$

Problem3

- Write a function that could receive an input parameter with the information shown in table (on the left) and calculate the table on the right and returns it.

Record ID	Tuple
1	a b c
2	a b
3	a b c
4	b c
5	a b
6	a b c
7	c
8	a b c
9	a b c
10	a b
11	b c

Original database



Tuple	Freq.
a b c	5
a b	3
b c	2
c	1

Tuple-histogram



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Problem4

- Define and implement a function that receives the width and length of a rectangle and calculates the area and perimeter of the rectangle and return both area and perimeter of the rectangle and print them.

Good Luck 😊