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Course: Cmpt 214   Section 03   Assignment 2
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Question 2 Assignment 2
                    Solution
Variable   Line declared   Storage Allocation

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Variable	Line Declared	Storage Allocation Method	Memory Area	Initial Value	Final Value
a	3	Static	unitit. data	0	10
b	4	Static	Init. data	100	100
c	5	Static	unitit. data	0	214
c	10	Automatic	Stack	42	memory free
d	6	Static	Init. data	200	21
w	12	Static	unitit. data	0.0 (float)	0.0 (float)
x	13	Static	init. data	300.0 (f)	300.0 (f)
y	23	Automatic	Stack	None ~~Zero value~~	None ~~Zero value~~
z	24	Automatic	stack	400.0 (f)	400.0 (f)

N.B: Automatically allocated variables are stored in their function's stack frames as in the case for lines 10, 23 and 24.