Declaring variables q2

# Revision history

V 1.0: initial release

# usage history

# problem description

1. Declare three doubles that relate to being a student with useful variable names on a single line, and initialize them all to different values.
2. Declare two doubles, three ints, and two characters in as many different ways as you can think of. For example, you may consider declaring one per line, or multiple variables per line. Which method do you prefer?

# Solution

Part a:

int main**()**

**{**

double books **=** 5.0**,** gpa **=** 4.6**,** creditsThisTerm **=** 2.75**;**

**}**

Part b:

There are several ways to approach this. The code below demonstrates three possibilities.

int main**()**

**{**

//declare variables of the same type on one line

double x**,**y**;**

int a**,**b**,**c**;**

char t**,**s**;**

//declare on separate lines

double x**;**

double y**;**

int a**;**

int b**;**

int c**;**

char t**;**

char s**;**

//declare and initialize

double x **=** 0**,** y **=** 1**;**

int a **=** 5**,** b **=** 0**,** c **=** 10**;**

char t **=** 'x'**,** s **=** 65**;**

**}**

# suggested test cases

None

# required topics

* Syntax of declaring doubles, ints, and chars
* Initializing variables
* Using a single line to declare variables