# PE9 – Functions

1. The following two functions have errors. What are they?

static bool Write()

{

Console.WriteLine("Text output from function.");

}

static void myFunction(string label, params int[] args,

bool showLabel)

{

if (showLabel)

{

Console.WriteLine(label);

}

foreach (int i in args)

{

Console.WriteLine("{0}", i);

}

}

Write() should return a bool

myFunction(string label, bool showLabel, params int[] args)

1. Add a timer to the Math Quiz Solution in "Lecture Code Examples" to elapse in 5 seconds for each question, and mark the answer wrong if the timer expires.

GitHub project URL:

I found that this bug appears because if I enter nothing in the first time, the Console.Readline() still waits for user input even if the thread is already killed. I have fixed it by redirecting it and give it an empty string.

1. Create a delegate function and use it to impersonate the Console.ReadLine() function when asking for user input. Refer to the "Lecture Code Examples" for the 3 steps in defining a delegate function. The signature of Console.ReadLine() is "string ReadLine()" (ie. it returns a string and accepts no parameters).

GitHub project URL:

1. Modify the following struct to include a function that returns the total price of an order, where the total price is unitCount \* unitCost:

struct order

{

public string itemName;

public int unitCount;

public double unitCost;

}

See q5

1. Add another function to the order struct that returns a formatted string as follows, where italic entries enclosed in angle brackets are replaced by appropriate values:

Order Information: <*unit count*> <*item name*> items at $<*unit cost*> each, total cost $<*total cost*>

## 

Change struct order to struct Order, public order to public Order, string printInf to string PrintInf

## Submission

Upload this completed document to the corresponding MyCourses dropbox.

Add, Commit and Push the projects for #2 and #3

https://github.com/whisperers26/IGME206---Homework.git