**Name:\_\_\_\_\_\_Geovanny Henein\_\_\_\_\_\_\_\_\_**

For each of the below questions, write a short sentence or two to express (in your own words) your answer. Keep the answers short, but use complete, correct, English sentences.

If it helps to clarify the questions, feel free to mentally prefix all the questions with the phrase "According to the video…"

1. After you’ve watched all the videos, please answer this question:  
   Of all the videos that you watched, if you could pick one video to be re-recorded by the instructor outside of class which would you choose? Why?  
   (Keep in mind the recording outside of class will omit any pauses from the instructor answering student questions, have less hemming and hawing, etc, and generally be more concise)

|  |
| --- |
| < Write your answer here > |

**VIDEO: How To Use My Videos**

1. When viewing the videos in your web browser, where are the video-playback controls located?

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| --- |
| Lower edge of the screen |

1. List out at least three controls that you’ll find on the web page, and what each one does.

|  |
| --- |
| Play/pause  Volume button to control the volume  Expand to fill screen, and that turns the screen into a full screen |

1. How can you download the .MP4 video file (so that you can watch it in a media player program on your local computer)?

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| --- |
| There’s usually a link to a folder in one drive, you can then click folder actions then download folder. |

1. List out at least three features that the VLC Media Player has, and what each one does.

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| You can watch the video faster or slower.  Jump which can jump forward 5 seconds or backwards 5 seconds.  Volume control up or down. |

**VIDEO: What is a project?**

1. How many files might a typical program be made of?

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| --- |
| Dozens and dozens of files. |

1. What can you think of a project as?  
   What is the primary purpose of a project?

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| It’s like a bucket, to store all the different files in one place. |

1. Give some examples of different types of files that you might store inside a project?

|  |
| --- |
| Source code files like .java or .CS, image files like.png, and sound or video files like .mp4 |

1. What is a Visual Studio Solution?

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| It can contain different projects. Like a bucket that contains different buckets. |

1. Give some examples of different things that a Solution might contain.

|  |
| --- |
| Example are: the actual project, an installer project, and a help file project. |

1. THIS IS REALLY IMPORTANT:  
   When you’re working with a Project/Solution in Visual Studio, WHICH FILE SHOULD YOU OPEN?

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| --- |
| Either the project or the solution. |

1. What problem will you run into if you open a C# file directly?

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| --- |
| visual studio will not know how to compile it. |

**VIDEO: How to create a simple console application**

1. Briefly explain two separate ways to start the process of creating a new project.

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| File then new project or the start page there’s a link to a new project. Make sure to select visual c# that’s what we’re using in this class. |

1. If you’re working at school and you have trouble getting your program to compile and run on the H: (network) drive, where should you try saving the project?

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| --- |
| The C drive. |

1. How do you tell Visual Studio to display line numbers?

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| --- |
| Tools then options then text editor then all languages then line numbers. |

1. What is the difference between “Start **With** Debugging” and “Start With**out** Debugging”

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| Without it will run the program and then pause waiting for you to finish.  With it will run and as soon as the program finishes it will close the window. |

1. How does Visual Studio indicate that your file has a compile-time/syntax error?

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| --- |
| Underline the red squiggle it will also give you the file name, and if you double click it will jump to the error. |

**VIDEO: How to download and use a simple console application**

1. What is the key thing to do after you’ve downloaded the .ZIP archive?

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| Extract the files. |

1. If you don’t extract the files from the .ZIP archive and instead you open the C# file from within Visual Studio anyways (while the file is still inside the .ZIP archive) what problem will you run into?

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| --- |
| It will open the files but you will not be able to save it or anything. |

1. How do you get Visual Studio to display the Solution Explorer?

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| View then solution explorer. |

**VIDEO: How Basic console I/O ("Everything you need to know for this class, and nothing more”)**

1. What does Console.WriteLine do?

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| Everything you wrote between the quotation marks. |

1. How does Console.Write differ from Console.WriteLine?

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| Console. Write will leave the cursor on the same line and the next thing will be presented on the same line.  Console.writeline will Print out then move the cursor to the next line. |

1. How does one produce a line of output in Java (and potentially in C#). Assuming that int x = 3; int y = 7; has been declared, list the code here:

|  |
| --- |
| Console.write(“x: “ +x + “ y: “ + y); |

1. What is the better way to print out variables in C#. Assuming that int x = 3; int y = 7; has been declared, list the code here:

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| --- |
| Console.writeline(“x: {0} y: {1}” , x, y); |

1. When printing out variables, what does {0} refer to? {1}?

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| 0 is the 0th item on the list and 1 is the 1th item on the list. |

1. Before getting input from the user what should the program first do?

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| Tell the user what the program is expecting the user to do. |

1. What is the line of C# code that will get whatever the user has typed?  
   (Make sure that your code stores that input into a variable)

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| --- |
| Console.readline(); |

1. What is the line of C# code that will convert the input from text into a integer?

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| --- |
| Int32.tryparse(szInput, out x); |

1. If the user types in a non-integer value, what will the value of **out x** be?

|  |
| --- |
| 0 |

1. What is the C# source code can you use to check if the user actually typed in an integer (and display a message either repeating that value, or telling the user that they didn’t type a number in)?

|  |  |
| --- | --- |
| Int32.tryparse(szInput, out x) == true); |  |

1. What is the C# source code that will attempt to convert user input into a real number (into a double value)?

|  |
| --- |
| double.tryparse(szInput, out x) == true); |

**VIDEO: Expression Evaluation (Order of operations) Not working!!!**

1. Describe in your own words what the first thing that we do when evaluating an expression:

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|  |

1. We then repeatedly do two steps.  
   What is the step 1? What is step 2?

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1. When you see a number like 3.0, what is it’s data type?

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|  |

1. When you see a number like 3 (without the .0 / without anything after the decimal point), what is it’s data type?

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|  |

1. How do we figure out which operator goes next?

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|  |

1. Once we’ve identified which operator will be evaluated next,   
   what are the three steps in actually doing / evaluating an operator?

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|  |

1. In the precedence table that was built for you, which operator goes first?

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1. What does ‘left to right associativity’ mean?

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1. How is the assignment operator unusual?

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1. In the expression that gets evaluated in the video, what “operator” goes first?

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|  |

1. Within that thing that gets evaluated first, what is the first operator that we evaluate?

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1. What is it safe to convert an integer into a double?

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1. Can you put an assignment operator inside a larger expression?

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|  |

1. In the video you saw many steps needed to evaluate the expression.   
   Does the computer actually do all these steps, or are these just for teaching purposes?

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