**Unit 0 – Introduction**

Answer the questions and complete the programs in preparation for the end of Unit exam

**Review Questions:**

1. Explain the difference between using a computer program and programming a computer.  
   *A computer program is already programmed and has a limited variety of functions. Programming a computer creates programs and allows for the creation of additional functions.*
2. Which part of a computer can store program code? Which can store user data?  
   *The secondary memory stores program code and the primary memory stores user data.*
3. Explain two benefits of using Java over machine code.  
   *Java is a high level language and can be more easily understood by humans and coding is easier and more concise.*
4. On your own computer or on a lab computer, find the exact location (folder or directory name) of
   1. The HelloPrinter.java file that we wrote with Eclipse  
      *H:\Eclipse Java\Unit 0\src\HelloPrinter.java*
5. How do you discover syntax errors? How do you discover logic errors?  
   *Syntax errors are discovered when the program does not run properly and the IDE marks them. Logic errors are discovered when the program runs, but not in the desired way, so the code must be looked over for the section that was written improperly.*

**Exercises:**

1. Write a program that will print your name in a box on the screen like this:

Mr. Remington

**public** **class** ReviewQuestions {

**public** **static** **void** main (String [] args){

System.***out***.println("------------");

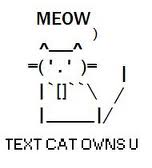
System.***out***.println("| Allen Tu |");

System.***out***.println("------------");

}

}

1. Write a program that will print an image. (house, face, animal)



**public** **class** ReviewQuestions {

**public** **static** **void** main (String [] args){

System.***out***.println("|\\---/|");

System.***out***.println("| o\_o |");

System.***out***.println(" \\\_^\_/");

}

}

1. Write a program that prints the United States flag, using \* and = characters

**public** **class** ReviewQuestions {

**public** **static** **void** main (String [] args){

System.***out***.println("\*\*\*\*\*\*==========");

System.***out***.println("\*\*\*\*\*\*==========");

System.***out***.println("\*\*\*\*\*\*==========");

System.***out***.println("================");

System.***out***.println("================");

}

}