Program Design Week 4

Problem #1

- 1. Start Program
- 2. Set counter to zero
- 3. Ask for grades and store
- 4. Add 1 to counter
- 5. If counter is greater than a 100, add all the grades together and divide by the counter, display answer, end program.
- 6. If grades less than 100 then loop back to step 3 and repeat

Problem #2

- 1. Start program
- 2. Generate a random number from 1-50
- 3. Set counter "lifes" to 5
- 4. Print "What is your Name"
- 5. Store Inputed name in variable "name"
- 6. Check if lives are greater than zero if so continue with program, if not greater than zero end display end message and restart program if asked
- 7. Print "Guess a number between 1-50"
- 8. Check if inputed "guess" is equal to random number
- 9. If so then print "Congragulations <Name Variable>"
- 10. If it is not equal then subtract one life from coutner and loop back to step 5

Problem #3

- 1. Start program
- 2. Set lives to 0
- 3. Set score to 0
- 4. If life is less than zero then print game over and then print the score variable
- 5. If life is greater than zero then continue with program
- 6. Pick a random number between 1-50 and assign it's a variable Num1
- 7. Pick a random number between 1-50 and assign it's a variable Num2
- 8. Print < num 1 > x < num > 2 = ?
- 9. Record input
- 10. If input is not equal to Num1*Num2 then subtract 1 from life variable and head back to step 4
- 11. If input is equal to Num1*Num2 then print correct and add 1 to score variable
- 12. Then head back to step 4