**JavaScript Assignment #1**

Pseudo-code

**Problem #1:**

var foodChar = Sys in(n)

var bevChar = Sys in(n)

var subtot = foodChar + bevChar

var tax = 0.052

var subTax = subTot + (subTot \* tax)

var Tip = 0.015

var Tot = subTax + (subTot \* Tip)

Sys.out (subTot /n subTax /n Tot)

**Problem #2:**

var game1 = n

var game2 = n

var game3 = n

var currentSc = game1 + game2 + game3;

loop

prompt enter score

var score = Sys.in(n)

var currentSc += score

if currentSc >= 1000

sys.out("score: " + currentSc + "! winner winner chicken dinner")

break

else

Sys.out("score: " + currentSc + " Only " + 1000-currentSc + "left to go")

**Problem #3:**

promt - enter grade 1

var grade1 = Sys.in(n) \* 15 / 100

promt - enter grade 2

var grade2 = Sys.in(n) \* 25 / 100

promt - enter grade 3

var grade3 = Sys.in(n) \* 20 / 100

promt - enter grade 4

var grade4 = Sys.in(n) \* 40 / 100

var totGrade = grade1 + grade2 + grade3 + grade4;

if totGrade >=90

Sys.out A

if totGrade >=80 & totgrade < 90

Sys.out B

if totGrade >=70 & totGrade < 80

Sys.out C

if totGrade > 60 & < 70

Sys.out D

else

Sys.out F

**Problem #4:**

prompt - enter height

var height = sys.in

prompt - enter width

var width = sys.in

prompt - enter depth

var depth = sys.in

var baseCost = height \* width \* depth \*5

if baseCost > 50

baseCost += 20

else

baseCost += 10

sys.out baseCost

**Problem #5:**

promt - eneter number of hours work

var hoursWorked = sys.in(n)

promt - enter contracted hours

var stdHours = sys.in(n)

prompt - enter double time hours

var dt = sys.in(n)

prompt - enter rate of pay

var rate = Sys.in(n)

hoursWorked -= dt

var oT = 0

var dtPay = dt \* rate \* 2

if hoursWorked > stdHours

oT = hoursWorked - stdHours

hoursworked -= oT

oT \*= rate \* 1.5

end if

hoursWorked \*= rate

Var gP = dt + ot + hoursWorked

Sys.out ("Gross pay: " + gP)