- Number type: double | Literal: Number, null, boilern, doved \$3,20004, string, regex, temp 1ste, func Johnson Doug Crackford | Access object properties w/ dut/2mdy/ Reflection; code that inspects structure function name (args) { budy }: name optional | Closure Foundation for encapsulation "let"= block scope" var" hoists Inherit from super (parent) class of extends of bating point shallow cupy = properties shared | array, slice = 50 | Awful - scope - parse ant inexact Doep copy = properties HOT Shard array. splice = DCJ. global variables . + operator adds/copyat - Faby values true when compared f Reger options: Insersitive

-g-global, i- Mondiste, m-multiline function

-g-global, i- Mondiste, m-multiline expression = const foo = function() ? }

Reger theat sheet: I STRICT MODE: LMCRSTRICT: · Can't create globals

A= match beginning of string · Elininates silent errors · Assigning wan throws error to object

5 = match ord of string · Involve exceptions c · prevents deplicate properties in object 5 = match and of string · Fires metales that make outs difficult! Prevents deleting things i Prohibits possible future syntax [Forbids octal syntax () = capture group = match any single character Colnesion vs coupling: *= look for Ø or more of whatever is left of * Things within module should related to a to more I modules should be minimized (low coupling) 1 = optional character [3-1] = DIM GHOL IU LANDS spread operator (...) can spread array (...array) into comma seperated list ! p in pritotype of Sproad works on objects, Prototype inheritance creates link when asking for property X-p, boks for p in x I till shain makes shallow copy

Kyler Adhly - SCRATCH WORK

let ereacircle = 0;

let areaTriangle = 0;

let Area = (function() {

let radius = get Element By Id("c_radius"). value();

if (areacircle! == 0;) && (radius == = undefined) &&

get Element By Id("answer"). inner HTML = areacircle;

```
Kyler Ashby - SCRATCH WORK
let area Circle = 0;
let area Triangle = 0;
let Area = (function() {
         return {
               circle: function () {
                       let radius = get Element By Id ("c_radius"). value();
                       if ((areacircle! == 0) &&(radius == = undefined)) {
                          get Element By Id ("answer"). inner HTML = area Circle;
                            area Circle = tostring (3.14 * (radius ^ 2));
                      } else f
                      let base = get Element By Id ("t_base"). value();
                 triangle : function () {
                      let height = get Eloment By Id ("t-height"). value ();
                      if ((areatriangle! == 0) && ((base == = undefined) 11 (height ===
                      undefined))) {
                           get Element By Id ("answer") inner HTML = area Triangle;
                     } else {
                           area Triangle = to String (0.5 * base * height);
```

```
tshby - SCRATCH WORK
let Area = (function() {
  let value (irde = 0;
   let value Triangle = 0;
     return {
        circle: function(){
          let radius = get Element By Id ("C-radius"). value();
          value Circle = toString (3.14 * (radius ^2));
          get Element By Id ("answer"). inner HTML = value Circle;
         triangle: function () {
          let base = get Element By Id ("t-base"). Value();
          let height = getElementBy Id ("t-height"). value();
          value Triangle = to String (0.5 * base * height);
          get Element By Id ("answer"). inner HTML = value Triangle i
 13;
```

```
Kyler Ashby - FINAL ANSWER
let area Circle = 0;
let area Triangle = 0;
let Area = (function() {
   return {
      circle: function () {
          let radius = getElementById("c_radius").value();
          if ((area (irde!==0) &&((radius === undefined)) {
            get Element By Id ("answer"). inner HTML = area Circle;
          } else if ((area Circle === 0) && (radius == = undefined)) {
            getElementById ("answer").innerHTML="Input radius";
           area Circle = to String (3.14 * (radius ^ 2));

get Element By Fd ("answer"), inner HTML = area Circle;

};
        3
       triangle: function OE
          let base=get Element By Id ("t_base"). value ();
          let height=get ElementById ("t_height").value();
          IF (Cares Triangle! == 0) && ((base = = = Undefined) | height = = Undefined)){
             get Floment By Fd ("answer") Inner HTML = arex Triangle;
         } else if { ((arestriangle ===0) &8 ((base === undefined) 11 height ===
          Undefined))){
             get Element By Id ("Insuer"). inner HTML = "Input base and for
             height";
          selse of
             area Triangle = tostring (0.5 * base * height);
             get Flement By Id ("answer"). innor HTM L = area Triangle;
```