21Nov2019pm November 21, 2019

```
Bootstrap
   -provides prewritten CSS classes
-decreases development time
   -allows us to more easily incorporate responsive design
   - 12 column rows
  - available through download, package manages of CDN
-JavaScript
  -language understood by your browser following
   the ECMAScript specification
                                            traditionally 15 was interpreted by your boomser but most browsers now will compile it before its
   - 66 (ES2015)
      additions:
          let/const
           arrow notation
Symbol
template literals
   - used to interact with our web page to give it functionality
 incorporating is into HTML.
     Ointemally
              <script> is open hore </script>
     @externally
                <script src='myscript js></script>
                                                        put at the bottom
of body unless acting
both our projects rended
JavaScript as a language
    · loosely typed
            let x = 'hello';
             X=25;
          > We don't have to define the type of it can change
                                                        declaring available
     · type coeraon
          if (5) 2 amplying country to apply to part of false
                                               > Truthy us Falsy
            "7"+7 ->'77"
             7+7+"7"->"147"
                                                                null
              "7" * 7->49
                                                               undefined
              "(at" #7- NaN
                                                                 NaN
                          property of
type number
                                                                faise
                                                            Primitive Types
      Companson
         7=="7" -> allows for type wereion
                                                             number
          7 == "7" > equal type realine
                                                             boolean
                                                             unadined
                                                               nwl
 Lot Var aconst
                                                              Symbol
                                                          (evenything ease is
  Var-allows for variable histing
     - can be redulared
                                                        variable
    - Can be Prassigned

- Cannot be sopal 6x. Var x = true;

to a block Har x - 750
                                                         Scope s
                                                        global
                                                      - lexical scope thanks
  Tet

- allows for reassignment
bint not reductiving

- will not be hosted

- can be supped to a block
                                                      - block scope
(only with 86)
                                   ex. let x=tney
       -cannot be reassigned or reducated
       - block scope
-no hoisting
```

```
var x = true;
  if ( v.) }
     //du something
-for(var.x=10; x>-1; x--){
 3 (x is now 6)
  if (x) ?
    //do Something eise
```