Midterm 1- Java

assign value with a constructor

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```
Arrows
                                                                        int array Length = array Name. Length
   int [] array; //reference to null array
                                                              index: array Name[]
   array = new int [100]; // references an array of 100 ints
· Reference : variable that stores memory address where object resides
  dot operator selects method applied to object
· Strings
   string message = "Hello";
   can concatenate: "this" + "that" >> "this that"
  <u>Classes</u> - stored value is private, only via read a write
    public Class Intcell {
       public int read ();
       public int write(int x);
       private int stored value;
   public class TestIntCell ?
      public static void main (String [] args) {
         Int cell m = new intcell();
         m.write(s);
         System. out. println ("cell contents" + m. read ());
       // m. stored value = 0; this illegal, stored value is private
   constructor
                                                call by my Method ();
  Date d1 = new Date();
                                                can take args
   Date d2 = new Date (4, 15, 2010);
  need to have default constructor
  Method -> functions busically
  public class My Class;
      Static void my Method () {
         11 code
  z
 Variables
   local vars - declared in methods, constructors, or blocks. Locally visible, need initialization
  instance vars - declared in a class, outside method, constructor, or block
  ie public String name;
     private double salary;
```