

## Important Points to remember

- 1) System, String, Scanner & in-built classes.  
Name of in-built classes start with capital letter.
  - 2) System & String & imported auto<sup>y</sup> in java.lang package.
  - 3) Scanner need to be imported from java.util package.
  - 4) main() fun must have an array of String argument/Parameter.
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- 5) arr & strings & represented as obj.
  - 6) All arr, string & obj & reference var.
  - 7) Never use = (assignment operator) to copy.  
arr, str or obj.

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8) To copy string use new operator.  
eg String s1 = "Hello";  
      "      s2 = new String(s1);  
                    ← copy s1 to s2;

// s1 = s2 is wrong.

9) To copy an array use clone()

eg `int ar1[] = {1, 2, 3, 4};`

`int ar2[] = ar1.clone();`

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10) To find length of string use `length()`

eg `s.length();`

11) To find length of array use `length` not `length()`

`int ar[] = {1, 2, 3};`

`System.out.println(ar.length);` // not `length()`

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12) When `primitive` are passed to a function, then it is called by value.

13) When `arr, obj, string` are passed to a function it is called by ref.