

## static

A good rule of thumb -

- for classes used as a holder of subroutines (such as main), all elements are static
- for classes used as blueprints for objects, only global constants are static

The meaning of static -

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- static means there is only one copy for the program (shared by all objects of that type)
- non-static means that each object has its own copy

## **Constructors – Semantics** Put the following steps in order according to how they occur when a constructor is executed. actual parameters are evaluated 2 [ Choose ] (the values passed by the caller) instance variables are initialized 1 [ Choose ] if initialized at the point of declaration, otherwise default values are assigned 5 reference to the object is returned [ Choose ] values are assigned to the formal parameters 3 [ Choose ]

[ Choose ]

4 are executed may include assignment statements to set values for the instance variables – overwrites any previous initialization

the values)

(the constructor body gains access to

statements in the body of the constructor

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