

Java for beginners

Initialization block, static block



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Agenda

- ① Ways to initialize instance variables
- ② Initialization block
- ③ static Block

Ways to initialize instance variables

1. During declaration in the class
2. Constructor
3. Instance methods
4. Initializer or initialization block

Initialization Block

- A block without name in the class is called initialization block.
- You can write multiple initialization blocks in a class
- Compiler combines all the initialization blocks and put the combined code in each of the constructor , at the start of the code .

- As the code of initialization block goes inside constructors, it is always executed whenever an instance is created and it runs each time when an object of the class is created
- The initialization block is used to initialize the common part of various constructors of a class.

Static Block

- A block in the class, with no name but qualified with static keyword, is known as static block.
- you can define multiple static blocks in the class, compiler combines them to one block.
- static block is used to initialize static variables or to perform class specific job.

- There is no specified way to call static block. It executes automatically when the class is loaded in the memory.
- static block executes only once, when the class is first loaded in the memory.