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wat is the use of a static keyword

static keyword is used to not to use many times that keywords,,in any classes declared

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


Answer

20 Answers

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Static means class level scope... before main() static blocks are executed... at the time of class loading only static variables comes into picture....if you want to perform one time activity put that code into static blocks... only once static blocks are executed... without creating an object e can call static methods

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↑ 3 ↓ ⋮

Static is a Non Access Modifier. It means that something (a field, method, block or nested class) is related to the type rather than any particular instance of the type.

The Static keyword can be applied to:

Static Method

Static Variable

Initialization Block

Nested class



static methods can be called without creating an object of the class.

A static variable is one that's associated with a class, not instance (object) of that class. They are initialized only once , at the start of the execution . A single copy to be shared by all instances of the class and it can be accessed directly by the class name and doesn't need any object.

The static initializer is a static {} block of code inside java class, and run only one time before the constructor or main method is called. The code block with the static modifier signifies a class initializer; without the static modifier the code block is an instance initializer.

A Static Nested Class can't access enclosing class instance and invoke methods on it, so should be used when the nested class doesn't require access to an instance of the enclosing class . A common use of static nested class is to implement a components of the outer object.


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↑ 2 ↓ ⋮

In Java, static keyword is mainly used for memory management. It can be used with variables, methods, blocks and nested classes. It is a keyword which is used to share the same variable or method of a given class. Basically, static is used for a constant variable or a method that is same for every instance of a class

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↑ 1 ↓ ⋮

Static keyword can be used with the variables and methods but not with the class. Anything declared as static is related to class and not objects.

Static variable: Multiples objects of a class shares the same instance of a static variable.



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↑ 1 ↓ ⋮

Static keyword is used to access the same value to the throughout the program.Static keyword will be called by classname or directly or by objectname also can be accessed for example Static String country="India"; this country would be accessed through the program.it is fixed for country as India

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↑ 0 ↓ ⋮

static keyword is mainly memory management .In java static keyword is used for class,methods,variables and blocks class.Main advantage of static it's our program memory efficient i.e saves memory

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↑ 0 ↓ ⋮

we can declare variables & methods as static.use of static keyword is no need to create a object for calling function or intializing variables. e.g class abc { public static void main() { pqr.show(); pqr.i=10; } } class pqr { static int i; public static void show() { \\some code } } Its means no need to create the object to call show function,we can call the show function using class name directly,same for variable initialization.

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↑ 0 ↓ ⋮

Static Classes and class members are used to create data and methods that can be accessed without creating an instance of the Class. The keyword Static can be applied to the Classes, field, method, properties, operator, event and constructors.

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↑ 0 ↓ ⋮

static members load to jvm only once during class loading time only.. 1-the main advantage of static keyword is single copy of memory shared to all instance... 2-static blocks executes first 3-no need to create object if you wan to access static members package youthforwork; public class StaticDemo { static int x=10; public static void print() { System.out.println(x); } static{ System.out.println(" without object creation static blocks executes first "); StaticDemo.print(); } public static void main(String[] args) { } }

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↑ 0 ↓ ⋮

if you want to pass an argument in constructor before instance of the class is created you can sue static member of the class.

static refers to the class in which it is declared i.e it is executed when class is loaded and is destroyed when the class is unloaded in jvm.

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↑ 0 ↓ ⋮

it will not allow to change the value

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↑ 0 ↓ ⋮

If static keyword is used the values of the variables cannot be changed once initialized

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↑ 0 ↓ ⋮

static keyword is a constant keyword which we cannot change if we assign the values ones.

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In **Java**, static keyword is used for memory management.

In **PHP**,declaring class properties or methods as static makes them accessible without needing an instantiation of the class.

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Static members are invoked directly without the need of creating any object in heap area. This reduces the use of heap memory, hence memory will be saved. If there is a frequent use of a method in a program, then declare that method as static.

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The **static keyword** in java is used for memory management mainly. We can apply java static keyword with variables, methods, blocks and nested class. The static keyword belongs to the class than instance of the class.

The static can be:

variable (also known as class variable)

method (also known as class method)

block

nested class


Ex- int roll no, roll no is a unique value

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We use static keyword for class members such as(data fields, methods, nested classes, variables, nested interfaces). When we declare a member as static then it means no matter how many times we are creating object of class but there will be only one duplicate copy of the static member.

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Static is a keyword which is specific to class level and if the method declared as static then for calling that method we dont need to create any object and if we want to share the functionality of method or variables among the instance of class.

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static keyword used for not change the value of perticular variable during the execution of the program. Static keyword also used for declare a function. When declare function with static keyword, we can call that function directly using class name.

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