

## Difference between static and non static methods in Java

Feature	Static Method	Non-Static Method
Access	Accessed using the class name directly or through an object reference	Accessed only through an object reference
Memory	No memory is allocated for "this" keyword	Memory is allocated for "this" keyword
Invocation	Invoked using the class name directly or through an object reference	Invoked using an object reference
Overriding	Cannot be overridden	Can be overridden
Utility	Used for utility methods that are not specific to individual objects	Used for behavior specific to individual objects
Access to Static Members	Can access static members directly	Can access static members directly or through the class name
Access to Non-Static Members	Cannot access non-static members directly	Can access non-static members directly or through "this" keyword

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44. Define a class to declare an integer array of size n and accept the elements into the array.
45. Define a class to declare an array of size 20 of the double datatype, accept the elements into the array and perform the following: Calculate and print the sum of all the elements.
46. Java program for String, to uppercase, to equal, length of string
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94. Write a program that prints the message "Hello, World!"
95. Write a program that asks the user to enter two numbers, and then prints the sum of those two numbers.
96. Write a program that asks the user to enter a number and then determines whether the number is even or odd.
97. Write a program that swaps the values of two variables.
98. Write a program that asks the user to enter a number and then calculates and prints its factorial.
99. Write a program that asks the user to enter a number N and then prints the first N numbers in the Fibonacci sequence
100. Write a program that swaps the values of two variables without using a temporary variable
101. Converts a number into integer, float, and string
102. Program to find the length of the string
103. Program to convert string to uppercase or lowercase
104. Program to prints the numbers from 1 to 10.
105. What is identifier expected error
106. C String Input
107. C Character input

- 108. C Programming Variables MCQ
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