

1. Illustrates with an example of using Singleton class.
2. Develop a Java program which illustrates the usage of Comparator Interface.
3. Develop a Java program which illustrates the usage of Comparable Interface.
4. Get some strings through the command-line prompt and use an array to store and display them.
5. Write a program to illustrate the usage of clone() and find out what kind of copy it will make.
6. Develop a Java program to illustrate pass-by-value.
7. Develop a Java program to illustrate the usage of toString() method.
8. Write a Java program to demonstrate the concept of object cloning using the clone() method.
 - >Create a class Student with fields like name, rollNo, and department.
 - >Attempt to clone an object of this class using the clone() method.
 - >Catch and handle the CloneNotSupportedException if thrown.
 - ***Also find out and explain why the class must implement the Cloneable interface to avoid CloneNotSupportedException.
 - >Your program should clearly illustrate:
 - a. What happens if Cloneable is not implemented
 - b. How the error is resolved by implementing Cloneable