

Understanding Object class

- Object class, is present in the java.lang package, is the first class in the java class hierarchy.
- Every class either Predefined or User Defined is the sub class for Object class.
- Object class has "11" important methods, As this is the super class for all the classes we can use (Override) those methods in all the class.
- In those "11" methods there are "5" final methods for which we can't provide override.

Method Name	Description
public int hashCode()	Returns a hash code value for the object
protected void finalize() throws Throwable	Called by the garbage collector
public boolean equals(Object obj)	Used for comparing two Objects
protected Object clone() throws CloneNotSupportedException	Creates exact copy of the object
public String toString()	Returns a string representation of the object.
public final Class getClass()	Returns present class reference
public final void notify()	All these methods are used in java multithreading, which plays a crucial role in synchronization.
public final void notifyAll()	
public final void wait()	
public final void wait(long timeout)	
public final void wait(long timeout, int nanos)	