Methods of Object class

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| The Object class provides many methods. They are as follows: |

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| **Method** | **Description** |
| **public final ClassgetClass()** | returns the Class class object of this object. The Class class can further be used to get the metadata of this class. |
| **public int hashCode()** | returns the hashcode number for this object. |
| **public boolean equals(Object obj)** | compares the given object to this object. |
| **protected Object clone() throws CloneNotSupportedException** | creates and returns the exact copy (clone) of this object. |
| **public String toString()** | returns the string representation of this object. |
| **public final void notify()** | wakes up single thread, waiting on this object's monitor. |
| **public final void notifyAll()** | wakes up all the threads, waiting on this object's monitor. |
| **public final void wait(long timeout)throws InterruptedException** | causes the current thread to wait for the specified milliseconds, until another thread notifies (invokes notify() or notifyAll() method). |
| **public final void wait(long timeout,int nanos)throws InterruptedException** | causes the current thread to wait for the specified miliseconds and nanoseconds, until another thread notifies (invokes notify() or notifyAll() method). |
| **public final void wait()throws InterruptedException** | causes the current thread to wait, until another thread notifies (invokes notify() or notifyAll() method). |
| **protected void finalize()throws Throwable** | is invoked by the garbage collector before object is being garbage collected. |