toString() and equals() method

**toString():** This method is defined in Super class 'java.lang.Object' class.

This method returns default logic as

FullClassName (getClass().getName())

@ Symbol ('@') and

HashCode in HexaDecimal Format (Integer.toHexString(hashCode()))

=> If we print any reference variable using println() then this method will be called

=> Example:

Employee emp=new Employee();

// here emp is a reference variable

System.out.println(emp); and

System.out.println(emp.toString()); output is same

=> toString() method can be overriden as it is 'non-private', 'non-final' and 'non-abstract' method.

=> toString() method is overridden by String,Threads, Exceptions,Collections ..etc

=> To override this method Eclipse shortcut is: alt+shift+S,S > Generate.

=> Logic defined to toString() method in Object class

public String toString() {

return getClass().getName() + "@" + Integer.toHexString(hashCode());

}

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**equals() :-** This method is defined in java.lang.Object class it uses defaule == operator. == operator checks that two references variables are pointed to same object or not?

=> We can override equals method to check data, not for references linking.

=> To override this method use eclipse shortcut alt+shift+S,H > generate.