JAVA - Object Cloning

Is the way of creating same copy of object without calling class constructor. It means we can create any class object multiple times without calling its default constructor. Wherever we required same object then we can go with cloneable classes as loading of object is pretty much faster as compared to creating new objects multiple times.

Internally it uses clone() method which in one of the method of object class.

We can achieve cloning by implementing any class with Cloneable interface.

Note: For in-detail classes/ discussions you can feel free to contact me.

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For more understanding please refer below code.

```java
public class EmployeeCloneable implements Cloneable{

        private String name;

        private String add;

        public EmployeeCloneable(String name, String add){ //Only one time constructor
call

                this.name = name;

                this.add = add;

                System.out.println("I am constructor");

        }

        public Object clone() throws CloneNotSupportedException{

                return super.clone();

        }

        public String getName() {

                return name;
```

```java
        }

        public void setName(String name) {

                this.name = name;

        }

        public String getAdd() {

                return add;

        }

        public void setAdd(String add) {

                this.add = add;

        }

        public static void main(String[] args) throws CloneNotSupportedException {

                EmployeeCloneable emp = new EmployeeCloneable("Test", "1");

//try to use comment line then you will be see two time constrictor call happens

                EmployeeCloneable emp1 = (EmployeeCloneable)emp.clone();//new
EmployeeCloneable("Test ", "1");

                System.out.println(emp);

                System.out.println(emp1);

        }

        @Override

        public String toString() {

                return "EmployeeCloneable [name=" + name + ", add=" + add + "]";

        }

}
```

Output:

I am constructor

EmployeeCloneable [name=Test, add=1]

EmployeeCloneable [name=Test, add=1]

Please add on comments and like this lesson, if it gave you some revision or refreshment on "JAVA - Object Cloning" concepts.