

// Equals method overriding of object class

```
class ObjectClass{
```

```
int x;
```

```
ObjectClass(int x){
```

```
this.x=x;
```

```
}
```

```
public boolean equals(Object o){
```

```
    if(o==this)
```

```
        return true;
```

```
    if(o instanceof ObjectClass){
```

```
        ObjectClass ob=(ObjectClass)o;
```

```
        if (ob.x==this.x)
```

```
            return true;
```

```
    }
```

```
    return false;
```

```
}
```

```
}
```

```
class ObjectDemo{
```

```
public static void main(String args[]){
```

```
ObjectClass obj1 = new ObjectClass(15);
```

```
ObjectClass obj2 = new ObjectClass(15);
```

```
// create wrapper class objects
```

```
Integer obj3=new Integer(15);
```

```
Integer obj4=new Integer(15);
```

```
if(obj1.equals(obj2))
```

```
System.out.println("obj1 and obj2 are same");
```

```
else
```

```
System.out.println("obj1 and obj2 are not same");
```

```
if(obj3.equals(obj4))
```

```
System.out.println("obj3 and obj4 are same");
```

```
else
```

```
System.out.println("obj3 and obj4 are not same");
```

```
}
```

```
}
```

```
// object cloning example
```

```
class EmployeeData implements Cloneable{
```

```
int id;
```

```
String name;
```

```
EmployeeData(int id, String name){  
    this.id=id;  
    this.name=name;  
}  
void getdata(){  
    System.out.println("The id is:"+id);  
    System.out.println("The name is:"+name);  
}  
  
public Object myClone() throws CloneNotSupportedException{  
  
    return clone() ;  
}  
}
```

```
class ObjectDemo3 implements Cloneable{  
    int a;  
    public static void main(String args[])throws CloneNotSupportedException{
```

```
        EmployeeData e1=new EmployeeData(101,"sudheer");  
        e1.getdata();
```

```
        EmployeeData e2=(EmployeeData)e1.myClone();  
        e2.getdata();
```

```
ObjectDemo3 od1=new ObjectDemo3();  
od1.a=10;  
System.out.println(od1.a);  
ObjectDemo3 od2=(ObjectDemo3)od1.temp();  
System.out.println(od2.a);  
}  
Object temp() throws CloneNotSupportedException{  
    return clone();  
}  
  
}
```