

```
Thread t1= new Thread();
Thread t2= new Thread();
Thread t3= t1;
```

```
System.out.println(t1==t2); //false
System.out.println(t1==t3); //true
```

```
System.out.println(4&5); //4
```

4 =>100

5 =>101

```
System.out.println(4|5); //5
```

4 => 100

5 => 101

```
System.out.println(4^5); //1
```

4 => 100

5 => 101

```
System.out.println(~4); //-5
```

4 => 100

5 => 101

```
int x= 10, y =15;
if (++x < 10 & ++y>15)
    x++;
else
    y++;
```

x = ~~10~~ 11  
y = ~~15~~ ~~16~~ 17

```
int x = 10, y= 15;
if (++x < 10 && ++y>15)
    x++;
else
    y++;
```

x = ~~10~~ 11  
y = ~~15~~ 16

```
int x = 10, y= 15;
if (++x < 10 | ++y>15)
    x++;
else
    y++;
```

x = ~~10~~ ~~11~~ 12  
y = ~~15~~ 16

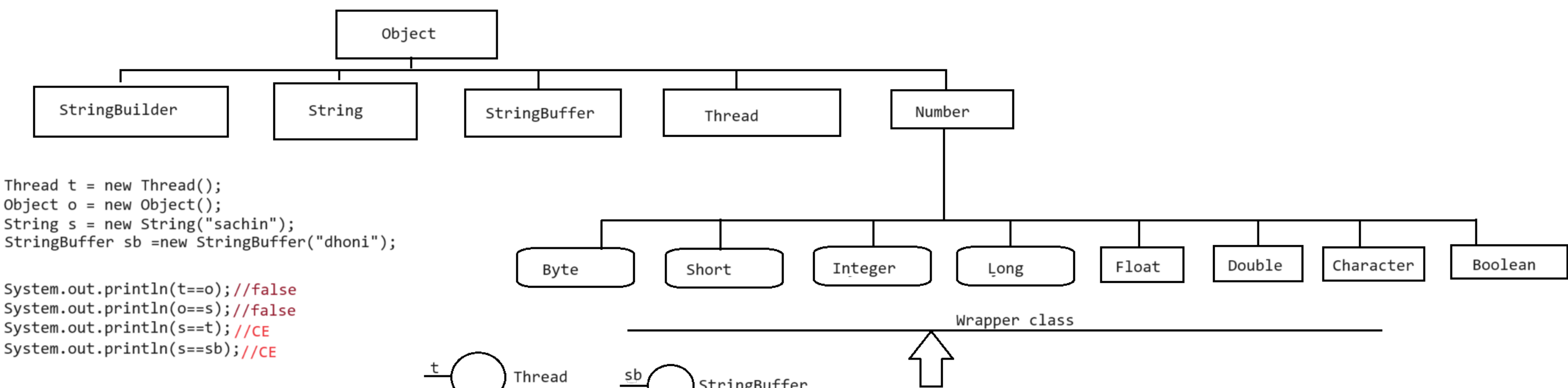
```
int x = 10, y= 15;
if (++x < 10 || ++y>15)
    x++;
else
    y++;
```

x = ~~10~~ ~~11~~ 12  
y = ~~15~~ 16

```
int x = 5;
boolean b1 = true;
boolean b2 = false;
if ((x == 4) && !b2 )
    System.out.print("1 ");
System.out.print("2 ");
if ((b2 = true) && b1 )
    System.out.print("3 ");
```

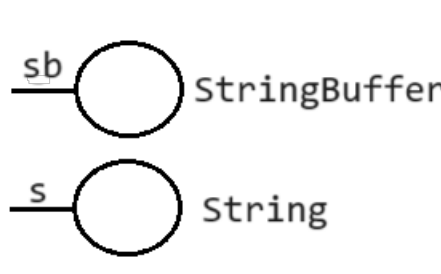
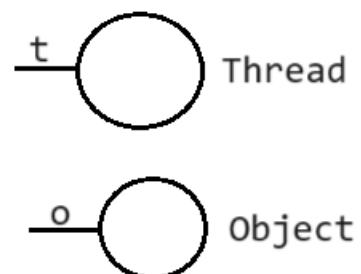
x = 5  
b1 = true  
b2 = ~~false~~ true

2  
3



```
Thread t = new Thread();
Object o = new Object();
String s = new String("sachin");
StringBuffer sb =new StringBuffer("dhoni");
```

```
System.out.println(t==o); //false
System.out.println(o==s); //false
System.out.println(s==t); //CE
System.out.println(s==sb); //CE
```



4 ----> 0 000 0100  
~4 ----> 1 111 1011  
(negative no)  
2's s => 1's + 1  
0 000 0100  
1  
+++++  
1 000 0101  
(-5)