

```
Object [] arr = new Object[4];
for(int i = 1; i <=3; i++) {
    switch(i) {
        case 1:
            arr[i] = new String("Java");
            break;
        case 2:
            arr[i] = new StringBuilder("Java");
            break;
        case 3:
            arr[i] = new SpecialString("Java");
            break;
    }
}
```

```
class SpecialString extends Object {
    String str;
    SpecialString(String str) {
        this.str = str;
    }
    String toString() {
        return "hexa decimal value"
    }
}
```

arr

0 1 2 3

String

StringBuilder

SpecialString

```
for(Object obj : arr) {
    System.out.println(obj); //null
    System.out.println(obj.hashCode());
}
```

```
String s1 = new String("JAVA");
String s2 = new String("JAVA");
System.out.println(s1 == s2); //false
System.out.println(s1.equals(s2)); //true
System.out.println(s1 == s2.intern()); //false
System.out.println(s1.intern() == s2.intern()); //true
System.out.println(s1.intern() == s2); //false
```

(no duplicates)

SCP

HEAPAREA (duplicates)

s1 10000

s2 20000