Java Memory Management :-

* JVM manages memory. Memory types → Heap → Stack
* Generally Heap has more memory than stack.
* Stack stores temporary variable, Different methods have different stack.
* stack store primitive data type and reference of objects.

```
void function(){
    int a = 10;    ] temporary variable.
    //......
}
```

```
void function(){
    A a = new A();
}
```

Difference b/w string literal and string Object.

String litral : String str = "Hello";
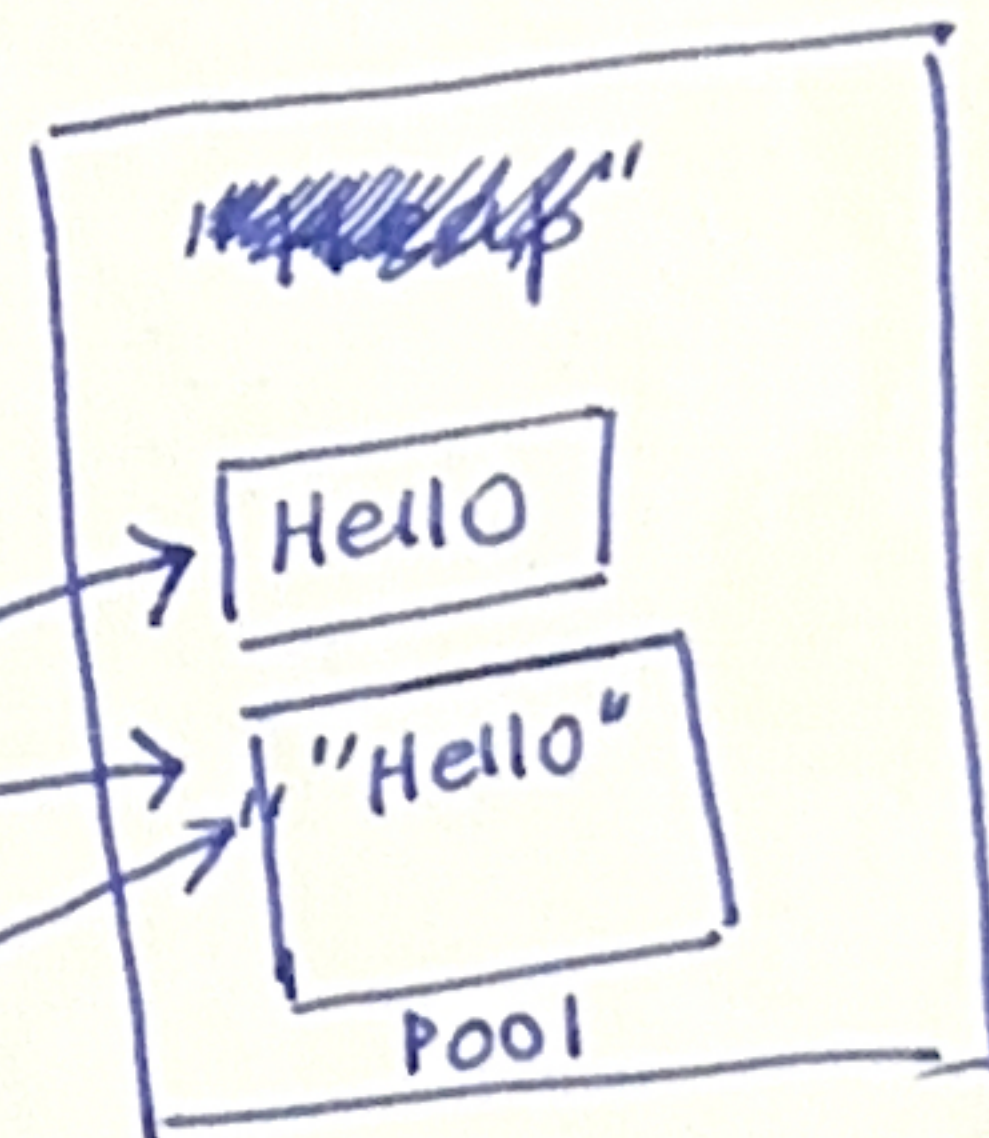String object : String str = new String("Hello");

* String litral are stored in string pool which is present in heap mem. String object is stored in heap as a new object.

```
String S1 = "Hello";
String S2 = new String("Hello");
String S3 = "Hello";
```



```
S1 == S3   ✓
S2 == S1   ✗
S2 == S3   ✗
S2.equals(S3)   ✓
```

Stack

Heap

Pool