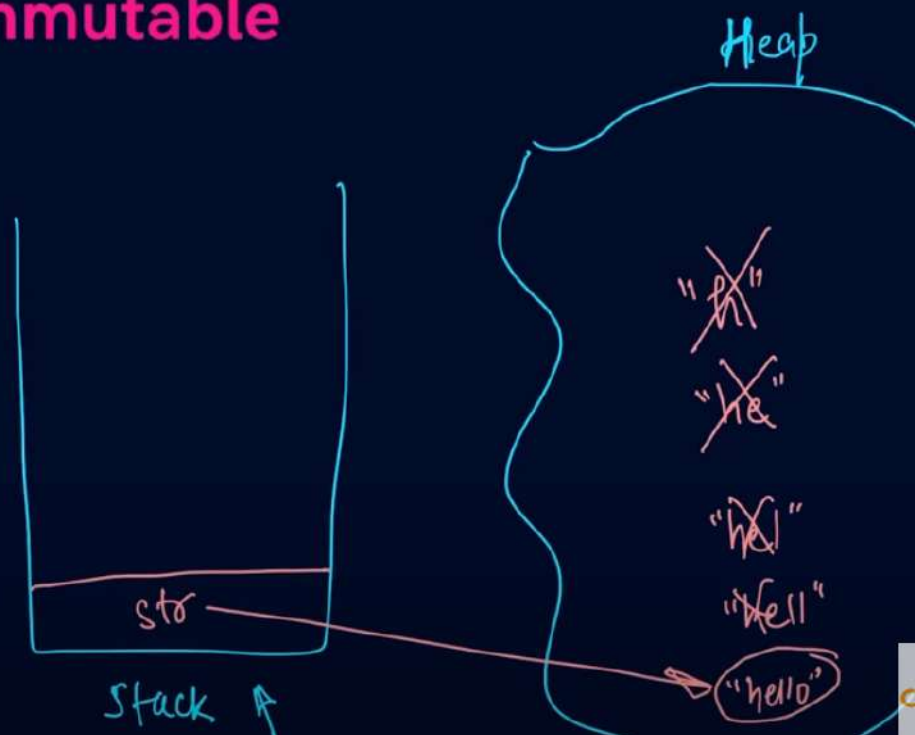


Strings in Java are **Immutable**

ing str = "h";
str + "e" ⇒ he
str + "l" ⇒ hel
str + "o" ⇒ hell
str ⇒ hello



```
import java.util.*;
```

```
public class Strings {
```

Run | Debug

```
    public static void main(String args[]) {  
        StringBuilder sb = new StringBuilder("Tony");  
        System.out.println(sb);  
  
        //char at index 0  
        System.out.println(sb.charAt(0));  
    }
```

```
}
```

```
//set char at index 0  
sb.setCharAt(0, 'P');  
System.out.println(sb);
```

```
public class Strings {
```

Run | Debug

```
    public static void main(String args[]) {  
        StringBuilder sb = new StringBuilder("Tony");  
        System.out.println(sb);  
  
        sb.insert(0, 'S');  
        System.out.println(sb);  
    }  
}
```

```
import java.util.*;
```

```
public class Strings {
```

Run | Debug

```
    public static void main(String args[]) {  
        StringBuilder sb = new StringBuilder("Tony");  
        System.out.println(sb);
```



```
        sb.insert(2, 'n');  
        System.out.println(sb);
```

```
    }
```

```
}
```

```
//delete the extra 'n'  
sb.delete(2, 3);  
System.out.println(sb);
```

```
sb.insert(2, 'n');  
System.out.println(sb);
```

```
//delete the extra 'n'
```

```
sb.delete(2, 4);  
System.out.println(sb);
```

Run | Debug

```
public static void main(String args[]) {  
    StringBuilder sb = new StringBuilder("h");  
    sb.append("e"); //str = str + "e";  
    sb.append("l"); // str = str + "l";  
    sb.append("l");  
    sb.append("o");  
    System.out.println(sb);  
}
```



```
public static void main(String args[]) {  
    StringBuilder sb = new StringBuilder("h");  
    sb.append("e"); //str = str + "e";  
    sb.append("l"); // str = str + "l";  
    sb.append("l");  
    sb.append("o");  
    System.out.println(sb.length());  
}
```

```
public static void main(String args[]) {  
    StringBuilder sb = new StringBuilder("hello");  
  
    for(int i=0; i<sb.length()/2; i++) {  
        int front = i;  
        int back = sb.length() - 1 - i; // 5-1-0 = > 4  
  
        char frontChar = sb.charAt(front);  
        char backChar = sb.charAt(back);  
  
        sb.setCharAt(front, backChar);  
        sb.setCharAt(back, frontChar);  
    }  
  
    System.out.println(sb);  
}
```