

```
public static String compute(String input) {  
    String a = "";  
    String b = "";  
    for(int i = input.length()-1; i >= 0; i--){  
        a = input.charAt(i) + a;  
        b = b + input.charAt(i);  
    }  
    return a + b;  
}
```

The image shows a Java code snippet for reversing a string and concatenating it to the original string. The code is annotated with a network diagram consisting of nodes and edges. The nodes are colored purple, orange, and yellow, and are connected by lines of the same color. The purple nodes are connected to the first line of the code and the loop condition. The orange nodes are connected to the loop body. The yellow nodes are connected to the return statement.