

Show the output of the following code segments. If an error occurs, print "error" & **fully explain it**. Represent each blank space as a letter b with a slash through it (~~b~~).

1.

```
String message = "Themouseranuptheclock";  
String word = message.substring(3, 8);  
System.out.println(word);
```

2.

```
String message;  
message = "JackandJillwentupthehill";  
System.out.println(message.substring(20));
```

3.

```
String message = "JackandJillwentupthehill";  
System.out.println(message.substring(message.length() - 4));
```

4. System.out.println("hello".substring(3));

5. System.out.println("hello".substring(5));

6. System.out.println("hello".substring(6));

7.

```
String digits = "1234567890";  
int pos = digits.indexOf("6");  
System.out.println(pos + digits.indexOf("a"));
```

8.

```
System.out.println("Ilovesandwiches".substring(5).length());
```

9.

```
String name = "John";  
name += "Doe";  
System.out.println(name);
```

10.

```
String word1 = "Hello";  
String word2 = word1;  
word1 = word1.substring(1, 2);  
System.out.println(word2);
```

11.

```
String name1 = "Franklin Delano Roosevelt";  
String name2 = name1.substring(0, 8) + name1.substring(16);  
System.out.println(name2);
```

12.

```
String name1 = "Franklin Delano Roosevelt";  
int blank1 = name1.indexOf(" ");  
int blank2 = name1.substring(blank1 + 1).indexOf(" ");  
name1 = name1.substring(blank1 + 1, blank1 + 1 + blank2);  
System.out.println("*" + name1 + "*");
```