

```
public static Boolean compute(String input) {  
    input = input.toLowerCase();  
  
    if (input.contentEquals("n")) {  
        return false;  
    } else if (input.contentEquals("no")) {  
        return false;  
    }  
  
    if (input.contentEquals("y")) {  
        return true;  
    } else if (input.contentEquals("yes")) {  
        return true;  
    }  
  
    return null;  
}
```

The image displays a Java method named `compute` that takes a `String` parameter `input` and returns a `Boolean`. The code is annotated with a control flow graph (CFG) using colored nodes and edges. The nodes are colored purple, orange, and yellow, and the edges are colored purple, orange, and yellow. The graph starts at the function signature, goes to `input.toLowerCase()`, then branches to `return false` for `"n"` or `"no"`, then to `return true` for `"y"` or `"yes"`, and finally to `return null`.