

```
public static String compute(String text) {  
    String result = "";  
    for (int i = 0; i < text.length(); i++) {  
        char c = text.charAt(i);  
        if ((c >= 'a' && c <= 'z') || (c >= 'A' && c <= 'Z')) {  
            result = result + c;  
        }  
    }  
    return result;  
}
```

The diagram illustrates the flow of data between variables in the code. Purple nodes and lines represent the 'result' variable, orange nodes and lines represent the 'text' variable, and yellow nodes and lines represent the 'i' variable. The flow starts from the function parameters and moves through the loop and return statement.