

```
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 control flow of the provided Java code. It features several colored dots and connecting lines:

- A yellow dot is located at the start of the `return result;` statement.
- An orange dot is located at the closing brace of the `for` loop.
- A red line connects the orange dot to a purple dot located at the opening brace of the `if` statement.
- A purple dot is located at the closing brace of the `if` statement.
- A red dot is located at the closing brace of the `for` loop.
- A black dot is located at the closing brace of the `compute` method.
- A pink dot is located at the opening brace of the `if` statement.
- A blue line connects the pink dot to the purple dot at the closing brace of the `if` statement.