

```
public static int compute(int number) {  
    int result = 0;  
    while (number != 0) {  
        result += number % 10;  
        number /= 10;  
    }  
    return result;  
}
```

The image displays a Java code snippet for a function that calculates the sum of the digits of a given number. The code is annotated with a graph structure, likely representing an Abstract Syntax Tree (AST) or a control flow graph. The nodes are colored circles, and the edges are lines connecting them. The colors used are grey, yellow, purple, orange, and red. The code is as follows:

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