

```
public static boolean isPrime(int number) {  
    for (int i = 2; i < number; i++) {  
        if (number % i == 0) {  
            return false;  
        }  
    }  
    return true;  
}
```

The diagram illustrates the control flow of the provided Java code. It features several colored circular nodes connected by lines:

- Red nodes:** Located at the top right, connected by a red line, likely representing the initial state or entry point.
- Purple node:** Positioned above the opening curly brace of the `isPrime` method.
- Yellow node:** Positioned above the opening curly brace of the `for` loop.
- Orange nodes:** A series of nodes connected by an orange line, tracing the path from the `for` loop's start, through the `if` condition, to the `return false;` statement.
- Yellow node:** Positioned above the `return true;` statement, representing the exit path from the `for` loop.