

A decorative graphic consisting of numerous overlapping circles in shades of yellow, orange, red, and purple. Thin, dark lines connect some of the circles, creating a network-like pattern. The graphic is positioned over the right side of the code block.

```
public static int sum(int n) {  
    int res = 0;  
    for (int i = 1; i < n; i++) {  
        res += i;  
    }  
    return res;  
}
```