

```
private static int findSumOfDigits(int num) {
    int sum = 0;
    while (num > 0) {
        sum += num % 10;
        num /= 10;
    }
    return sum;
}
```

Handwritten notes for the first code block:

- 12345 → 0
- 1. $S = 5$, $n = 1234$
- 2. $S = 9$, $n = 123$
- 3. $S = 12$, $n = 12$
- 4. $S = 14$, $n = 1$
- 5. $S = 5$, $n = 0$

```
private static int sum_of_digits(int number) {
    int sum = 0;
    for (int i = 0; i < number; i++) {
        int remain = number % 10;
        sum += remain;
        number /= 10;
    }
    return sum;
}
```

Handwritten notes for the second code block:

- for (int i = 0; i < 36; i++)
- number = 36

Handwritten: $\sqrt{36}$

