

## Exercise2.14

```
1  int i = 100, sum = 0;
2  for (int i = 0; i != 10; ++i)
3  sum += i;
4  std::cout << i << " " << sum << std::endl;
```

values printed: 100 45

i is redefined in **for** loop, so sum ends up with the sum of 0 to 9, which is 45.

At the start of line 4, the i in the **for** loop becomes invalid, and we get back to outer scope. Therefore, the program prints out outer scope i 100.