```
float a.
          // scale factor
const float x[], // the first input vector
float y[]
                  // the output vector and second input vector
for (size_t i = 0; i < n; ++i)
```

// the number of elements in the vectors

LISTING 4.1

void saxpy serial(size t n.

Serial implementation of SAXPY in C.

v[i] = a * x[i] + v[i]: