```
int n, // the number of elements in the vectors
     float a, // scale factor
float x[], // the first input vector
float y[] // the output vector and second input vector
7 #pragma omp parallel for
8 for (int i = 0; i < n; ++i)
```

y[i] = a * x[i] + y[i];

LISTING 4.5

SAXPY in OpenMP.

void saxpy_openmp(

10 }