

```
1 #include <amp.h>
2 using namespace concurrency;
3
4 void vecAdd(float* A, float* B, float* C, int n)
5 {
6     array_view<const float,1> AV(n,A), BV(n,B);
7     array_view<float,1> CV(n,C);
8     CV.discard_data();
9     parallel_for_each(CV.extent, [=](index<1> i) restrict(amp)
10     {
11         CV[i] = AV[i] + BV[i];
12     });
13     CV.synchronize();
14 }
```