

Examples

```
// Launch Kernel  
Kernel<<< 3, 4 >>>(a);
```

```
__global__ void kernel( int* a ) {  
    int i = threadIdx.x + blockIdx.x * blockDim.x;  
    a[i] = blockDim.x;  
}
```

a: 4 4 4 4 4 4 4 4 4 4 4 4 4

```
__global__ void kernel( int* a ) {  
    int i = threadIdx.x + blockIdx.x * blockDim.x;  
    a[i] = threadIdx.x,  
}
```

a: 0 1 2 3 0 1 2 3 0 1 2 3

```
__global__ void kernel( int* a ) {  
    int i = threadIdx.x + blockIdx.x * blockDim.x;  
    a[i] = blockIdx.x;  
}
```

a: 0 0 0 0 1 1 1 1 2 2 2 2

```
__global__ void kernel( int* a ) {  
    int i = threadIdx.x + blockIdx.x * blockDim.x,  
    a[i]=i;  
}
```

a: 0 1 2 3 4 5 6 7 8 9 10 11 12