

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