

```
// hello-world.cu
#include <stdio.h>

__global__ void cuda_function()
{
    printf("Hello World from GPU!\n");
    __syncthreads();           // to synchronize all threads
}

int main()
{
    cuda_function<<<1,1>>>();
    cudaDeviceSynchronize();   // to synchronize device call
    return 0;
}
```