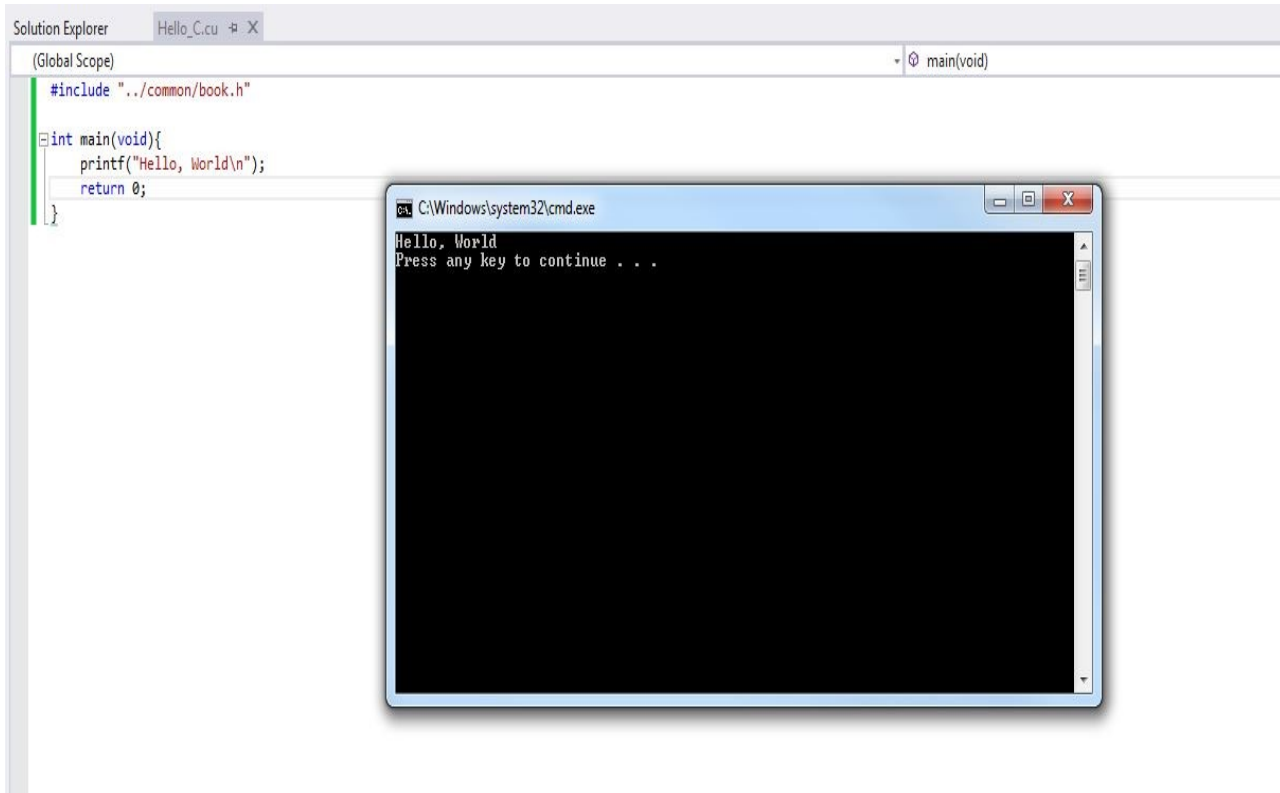


Lab 1: My first CUDA program

1. C code in Visual Studio and corresponding output:



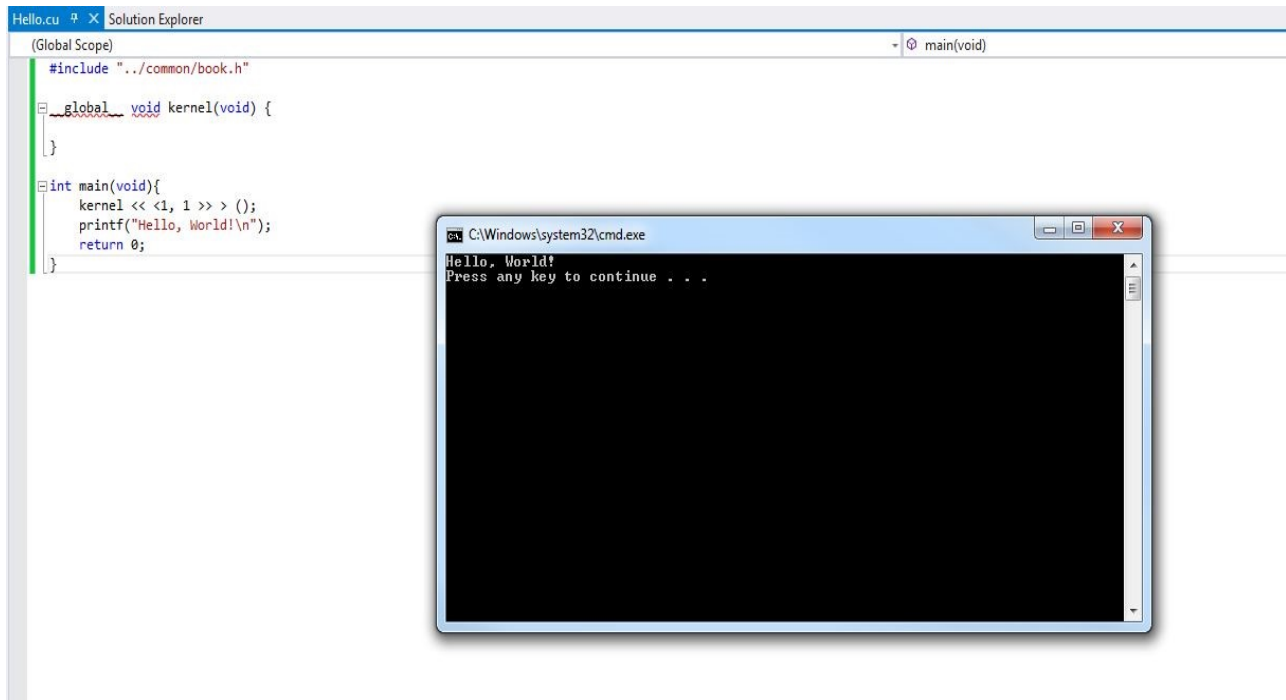
The screenshot shows the Visual Studio IDE with a C program. The Solution Explorer on the left shows a project named 'Hello_C.cu'. The main window displays the code for 'main(void)'. The code includes a header file and prints 'Hello, World'.

```
#include "../common/book.h"

int main(void){
    printf("Hello, World\n");
    return 0;
}
```

The output window on the right shows the execution of the program, displaying 'Hello, World' and 'Press any key to continue . . .'. The command prompt window is titled 'C:\Windows\system32\cmd.exe'.

2. CUDA C code in Visual Studio and corresponding output



The screenshot shows the Visual Studio IDE with a CUDA C program. The Solution Explorer on the left shows a project named 'Hello.cu'. The main window displays the code for 'main(void)'. The code includes a header file and defines a kernel function. The output window on the right shows the execution of the program, displaying 'Hello, World!' and 'Press any key to continue . . .'. The command prompt window is titled 'C:\Windows\system32\cmd.exe'.

```
#include "../common/book.h"

__global__ void kernel(void) {
}

int main(void){
    kernel << <1, 1 >> > ();
    printf("Hello, World!\n");
    return 0;
}
```

The output window on the right shows the execution of the program, displaying 'Hello, World!' and 'Press any key to continue . . .'. The command prompt window is titled 'C:\Windows\system32\cmd.exe'.