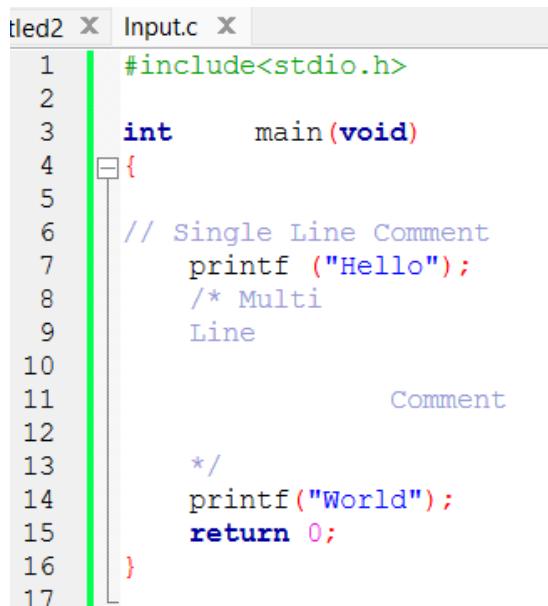
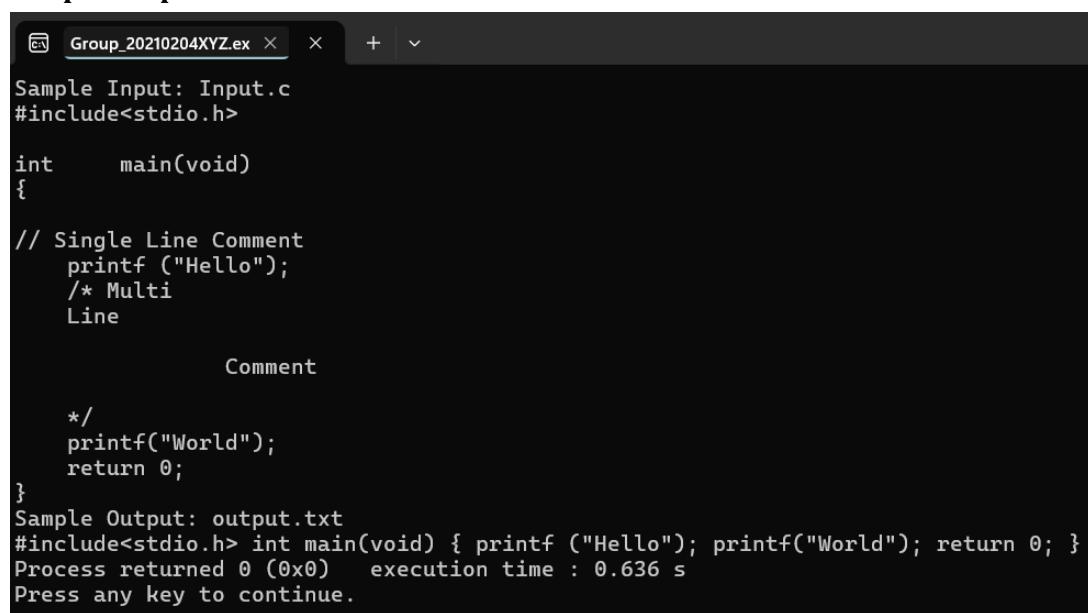


Write a C/C++ program that reads a C source file containing single-line and multi-line comments, along with white spaces (extra spaces, tabs, and newline characters). As the first step toward compilation, your program should remove all comments and unnecessary white spaces without removing the spaces required for correct syntax, and write the filtered code to a new output file. The program must also display the contents of both the input and the output files on the console.

Sample Input: Input.c

```
1 #include<stdio.h>
2
3 int main(void)
4 {
5
6 // Single Line Comment
7     printf ("Hello");
8     /* Multi
9      Line
10
11             Comment
12
13 */
14     printf("World");
15     return 0;
16 }
17
```

Sample Output:

```
Sample Input: Input.c
#include<stdio.h>

int main(void)
{
// Single Line Comment
printf ("Hello");
/* Multi
Line
Comment

*/
printf("World");
return 0;
}

Sample Output: output.txt
#include<stdio.h> int main(void) { printf ("Hello"); printf("World"); return 0; }
Process returned 0 (0x0)   execution time : 0.636 s
Press any key to continue.
```