Programming Fundamentals

Lab Report

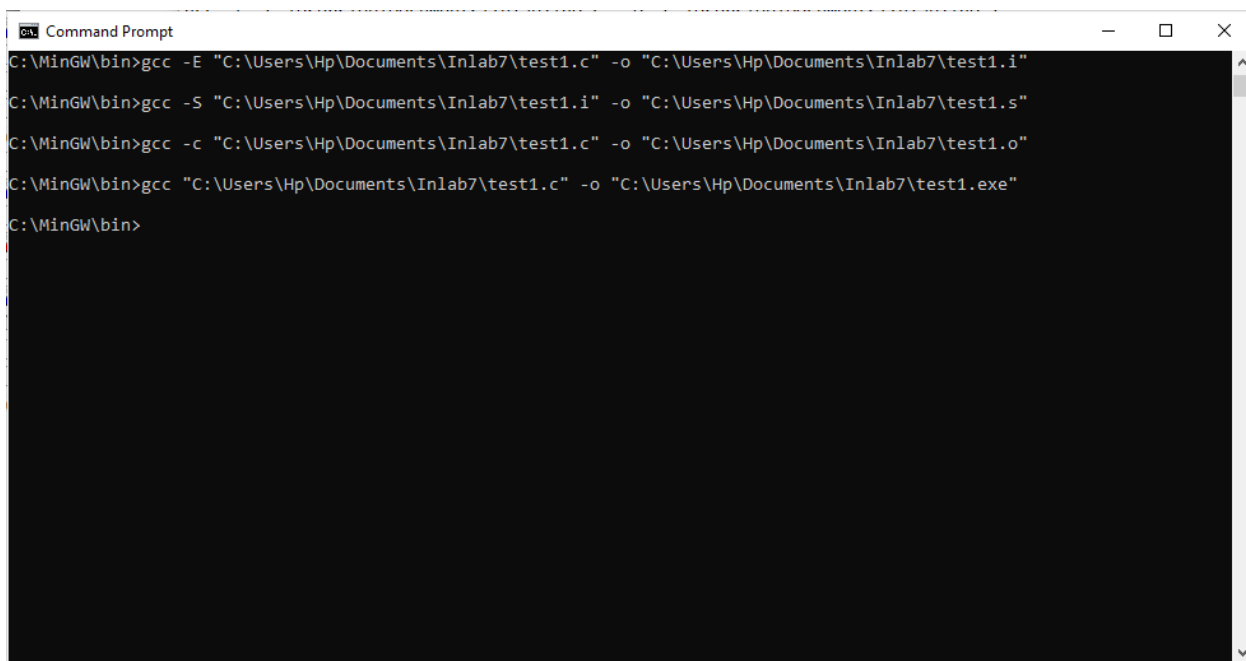## Lab 07

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Class	Programming Fundamentals CSC103 (**BCE-2B**)
Instructor's Name	Dilshad Sabir

In Lab Tasks

Question no: 1

Using the Notepad (the Windows text editor), save the program given in Code Listing 1 as a C **file (test1.c).** Then use the **GNU CLI** to compile the program and generate the intermediate files like, **test1.i**, **test1.s**, **test1.o** and finally **test1.exe**
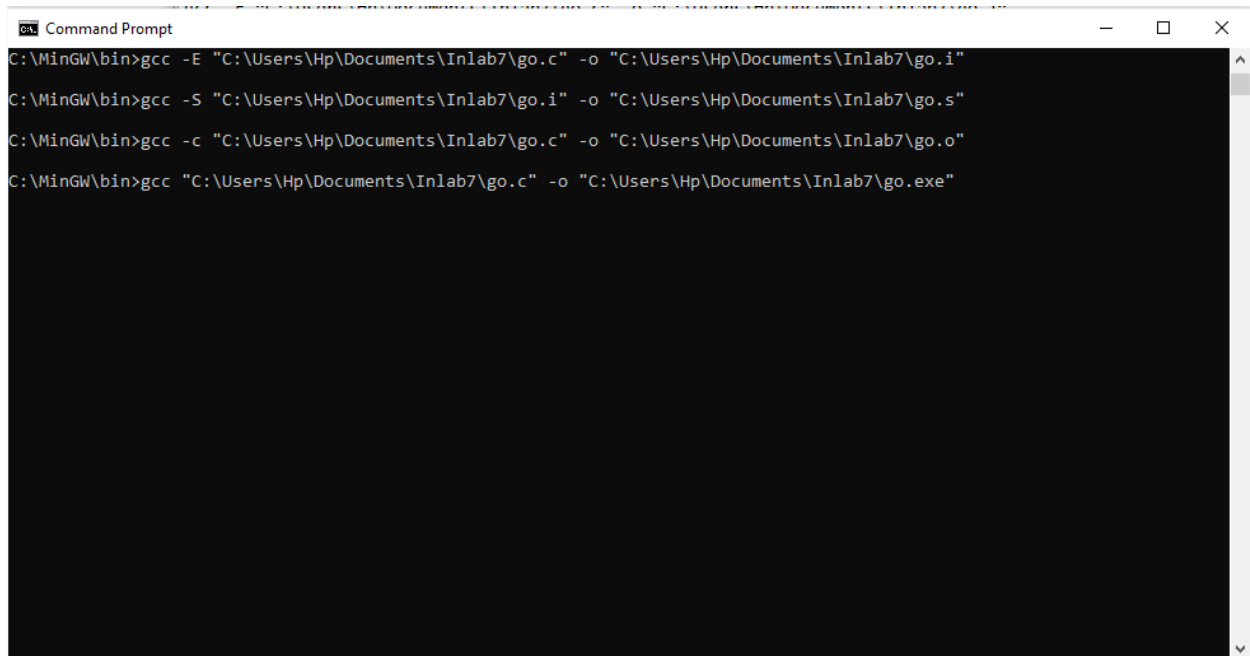
Solution:

```
Command Prompt                                                          —   □   ×

C:\MinGW\bin>gcc -E "C:\Users\Hp\Documents\Inlab7\test1.c" -o "C:\Users\Hp\Documents\Inlab7\test1.i"

C:\MinGW\bin>gcc -S "C:\Users\Hp\Documents\Inlab7\test1.i" -o "C:\Users\Hp\Documents\Inlab7\test1.s"

C:\MinGW\bin>gcc -c "C:\Users\Hp\Documents\Inlab7\test1.c" -o "C:\Users\Hp\Documents\Inlab7\test1.o"

C:\MinGW\bin>gcc "C:\Users\Hp\Documents\Inlab7\test1.c" -o "C:\Users\Hp\Documents\Inlab7\test1.exe"

C:\MinGW\bin>
```

test1	4/2/2019 8:31 AM	C Source File	1 KB
test1	4/8/2019 10:30 PM	Application	40 KB
test1.i	4/8/2019 10:29 PM	I File	21 KB
test1.o	4/8/2019 10:30 PM	O File	1 KB
test1	4/8/2019 10:30 PM	S File	1 KB

Question no: 2(a)

Using the Notepad (the Windows text editor), save the programs given in Code Listing 2, 3 and 4 as c/h files (primes.h, primes.c, and go.c). Then use the GNU CLI to compile the program and generate the intermediate files like, go.i, go.s, go.o and finally go.exe.

Solution

```
C:\MinGW\bin>gcc -E "C:\Users\Hp\Documents\Inlab7\go.c" -o "C:\Users\Hp\Documents\Inlab7\go.i"

C:\MinGW\bin>gcc -S "C:\Users\Hp\Documents\Inlab7\go.i" -o "C:\Users\Hp\Documents\Inlab7\go.s"

C:\MinGW\bin>gcc -c "C:\Users\Hp\Documents\Inlab7\go.c" -o "C:\Users\Hp\Documents\Inlab7\go.o"

C:\MinGW\bin>gcc "C:\Users\Hp\Documents\Inlab7\go.c" -o "C:\Users\Hp\Documents\Inlab7\go.exe"
```

Name	Date	Type	Size
primes.h	4/7/2019 8:57 PM	Text Document	1 KB
primes	4/7/2019 8:44 PM	C Header File	1 KB
primes.c	4/7/2019 8:45 PM	Text Document	1 KB
primes	4/7/2019 8:46 PM	C Source File	1 KB
Makefile	4/7/2019 9:24 PM	Text Document	1 KB
go	4/7/2019 8:46 PM	S File	2 KB
go.o	4/7/2019 8:46 PM	O File	2 KB
go.i	4/7/2019 9:27 PM	I File	36 KB
go.c	4/7/2019 8:50 PM	Text Document	1 KB
go	4/7/2019 7:16 PM	C Source File	1 KB

THE END