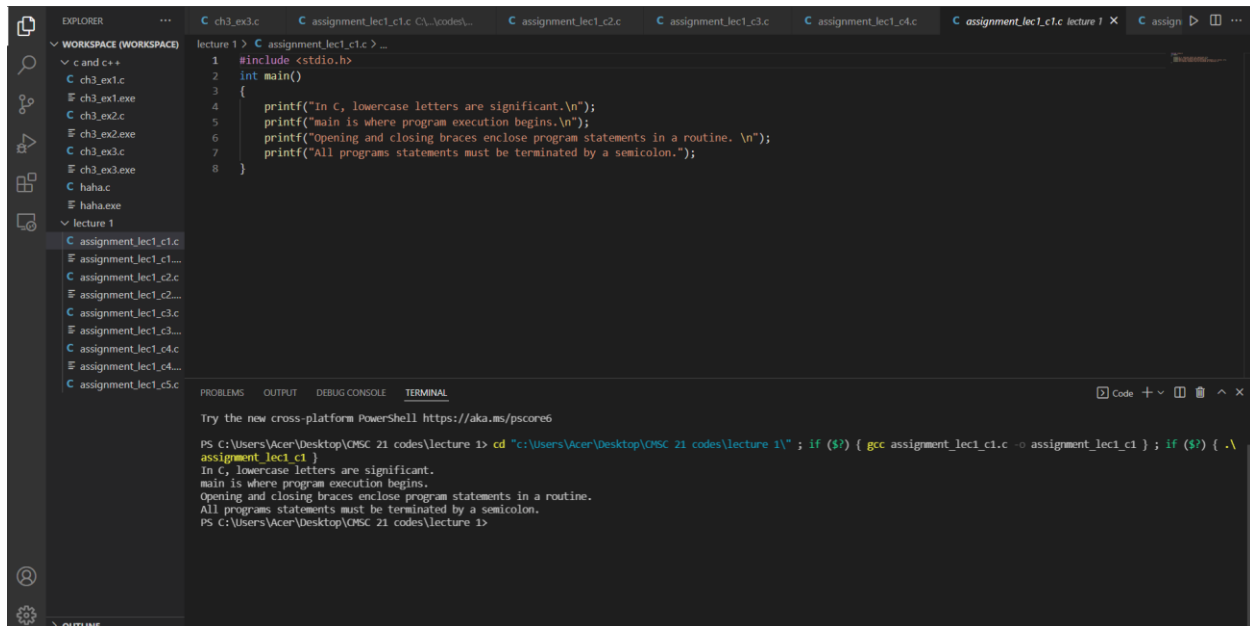


Trogani, Christine

1.

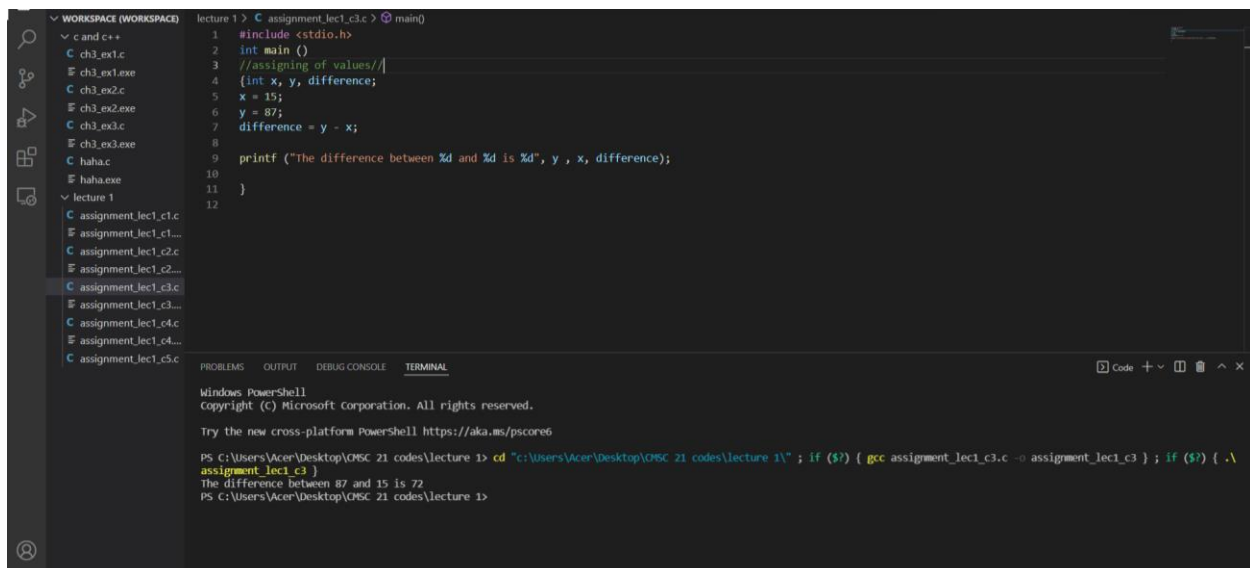


```
1 #include <stdio.h>
2 int main()
3 {
4     printf("In C, lowercase letters are significant.\n");
5     printf("main is where program execution begins.\n");
6     printf("Opening and closing braces enclose program statements in a routine. \n");
7     printf("All programs statements must be terminated by a semicolon.");
8 }
```

```
PS C:\Users\Acer\Desktop\OISC 21 codes\lecture 1> cd "c:\Users\Acer\Desktop\OISC 21 codes\lecture 1"; if ($?) { gcc assignment_lect1.c1.c -o assignment_lect1_c1 }
In C, lowercase letters are significant.
main is where program execution begins.
Opening and closing braces enclose program statements in a routine.
All programs statements must be terminated by a semicolon.
PS C:\Users\Acer\Desktop\OISC 21 codes\lecture 1>
```

2. The program output was “Testing.....1...2..3”. Despite of having many lines it is in one phrase since it was not separated by “\n” which is for another line.

3.



```
1 #include <stdio.h>
2 int main ()
3 //assigning of values//
4 {int x, y, difference;
5   x = 15;
6   y = 87;
7   difference = y - x;
8
9   printf ("The difference between %d and %d is %d", y , x, difference);
10 }
11
12
```

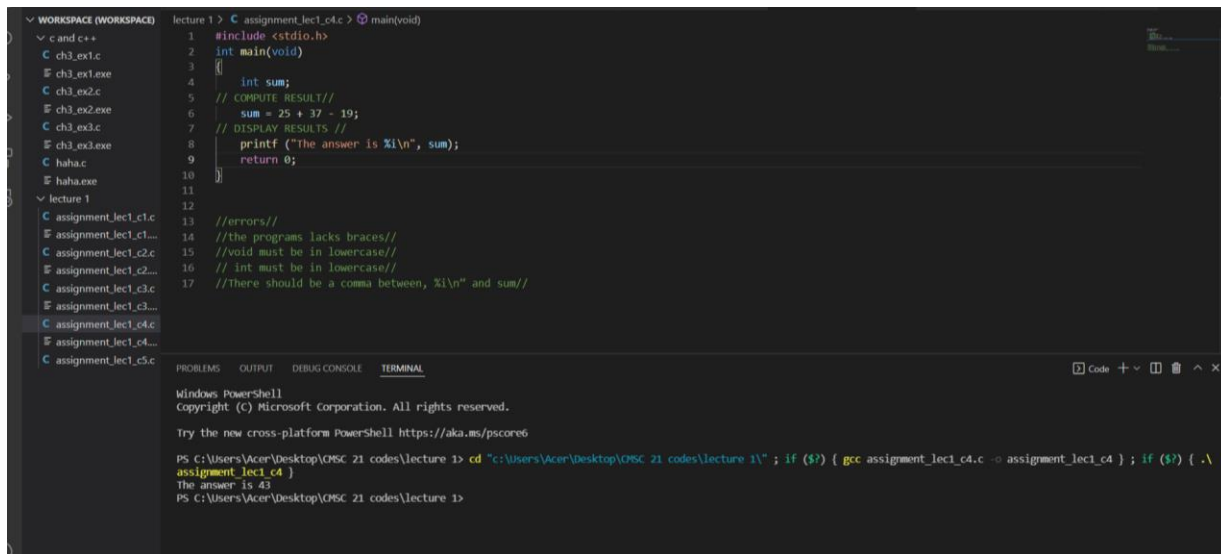
```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\Acer\Desktop\OISC 21 codes\lecture 1> cd "c:\Users\Acer\Desktop\OISC 21 codes\lecture 1"; if ($?) { gcc assignment_lect1.c3.c -o assignment_lect1_c3 }
The difference between 87 and 15 is 72
PS C:\Users\Acer\Desktop\OISC 21 codes\lecture 1>
```

4. As I review the program, I found some errors.
 - a. { } it lacks braces
 - b. void should be in lowercase
 - c. Int must be in lowercase
 - d. There should be a comma between, %i\n" and sum.

After knowing the error, I fixed the program and it generates a neat and clearer code.



The screenshot shows a code editor with a workspace containing several files. The active file is `assignment_lec1_c4.c`, which contains the following C code:

```
1 #include <stdio.h>
2 int main(void)
3 {
4     int sum;
5     // COMPUTE RESULT//
6     sum = 25 + 37 - 19;
7     // DISPLAY RESULTS //
8     printf("The answer is %i\n", sum);
9     return 0;
10 }
```

The terminal window at the bottom shows the execution of the program:

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Acer\Desktop\OISC 21 codes\lecture 1> cd "c:\Users\Acer\Desktop\OISC 21 codes\lecture 1\" ; if ($?) { gcc assignment_lec1_c4.c -o assignment_lec1_c4 } ; if ($?) { .\assignment_lec1_c4 }
The answer is 43
PS C:\Users\Acer\Desktop\OISC 21 codes\lecture 1>
```

5. As I've type and run the program it somehow generated error. I checked each line and saw some error which needs be corrected. In line 4, (answer = 100.) the dot was supposed to be a semicolon. If you change that it will show a correct program with the expected result of 95. In short, the equation is $100 - 10 + 5$ which will result to 95.