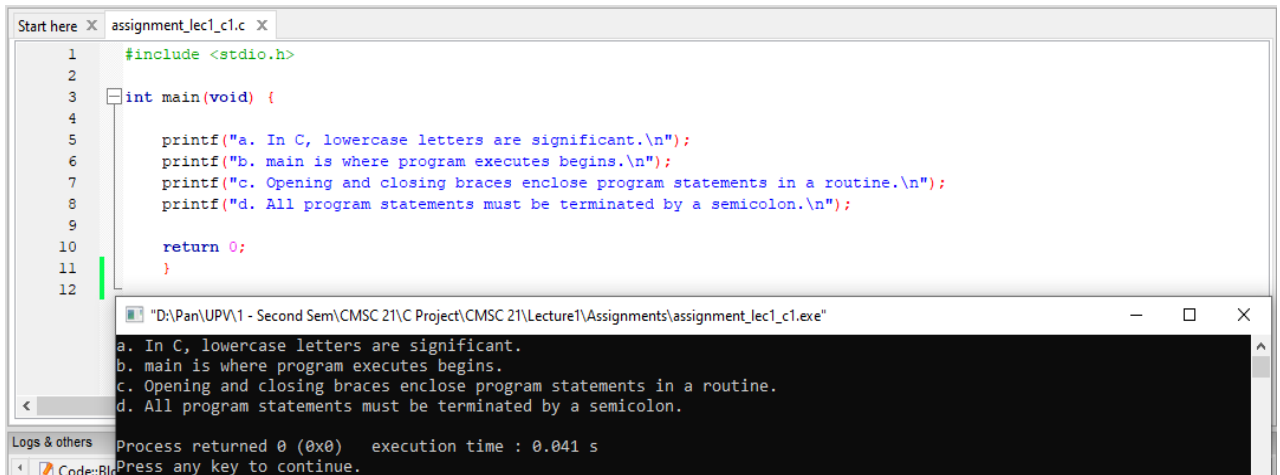


Basic Syntax in C Lecture 1 Assignments

1.



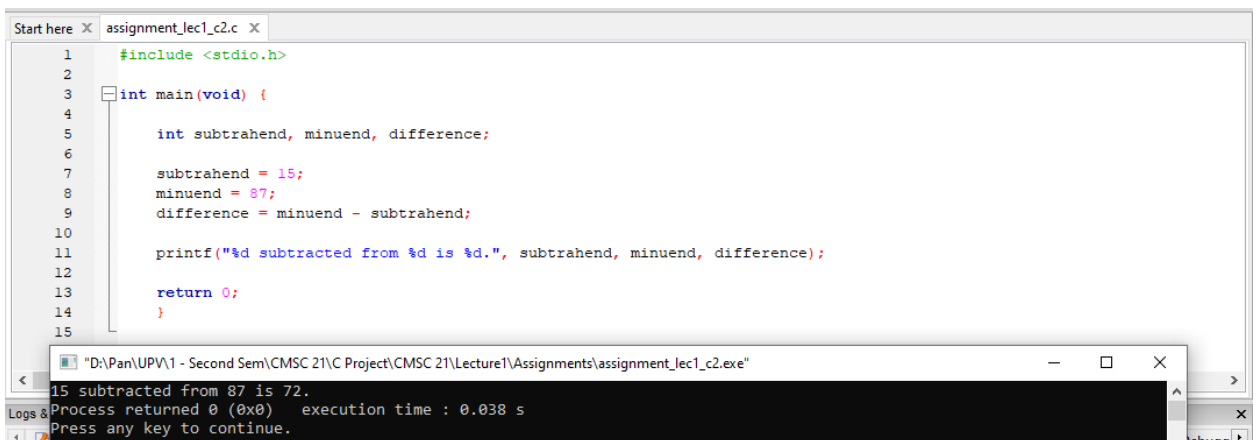
The screenshot shows a code editor with a C program named `assignment_lec1_c1.c`. The program includes `<stdio.h>` and defines a `main` function that prints four lines of text. Below the code editor, a console window displays the output of the program, which matches the text printed in the code. The output is:

```
a. In C, lowercase letters are significant.
b. main is where program executes begins.
c. Opening and closing braces enclose program statements in a routine.
d. All program statements must be terminated by a semicolon.
```

The console window also shows the process returned 0 (0x0) and the execution time was 0.041 s.

2. Expected Output:
Testing.....1...2..3

3.



The screenshot shows a code editor with a C program named `assignment_lec1_c2.c`. The program includes `<stdio.h>` and defines a `main` function that declares three integer variables, assigns values to them, and prints the result of a subtraction. Below the code editor, a console window displays the output of the program, which is:

```
15 subtracted from 87 is 72.
```

The console window also shows the process returned 0 (0x0) and the execution time was 0.038 s.

4. Syntactic Errors:

- `int main(Void)` -after main function, there should be an open curly brace
- `INT sum;` – “INT” should be in lowercase
- `/* COMPUTE RESULT` – Comments open with “/” should also be closed “*/”. “//” Could also be used.
- `sum = 25 + 37 – 19` – This line should end with a semi-colon(;
- `/* DISPLAY RESULTS //` - Comments open with “/” should also be closed “*/”.
- `printf ("The answer is %i\n" sum);` - Missing comma (,) before the word `sum`

```
1  #include <stdio.h>
2
3  int main(void) {
4
5      int sum;
6
7      /* COMPUTE RESULT */
8      sum = 25 + 37 - 19;
9
10     /* DISPLAY RESULTS */
11     printf("The answer is %i\n", sum);
12
13     return 0;
14 }
15
```

"D:\Pan\UPV\1 - Second Sem\CMSC 21\C Project\CMSC 21\Lecture1\Assignments\assignment_lec4_c4.exe"

The answer is 43

5. An error would occur since there should be an expected semi-colon(;) after answer = 100