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CMSC 21 -1

1.

```
#include <stdio.h>

int main(void)
{
    printf("a. In C, lowercase letters are significant.\n"
           "b. main is where program execution begins.\n"
           "c. Opening and closing braces enclose program statements in a routine.\n"
           "d. All program statements must be terminated by a semicolon.");

    return 0;
}
```

```
"C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\testing C\Lecture1\Assignments\assignment_lec1_c1.exe"
a. In C, lowercase letters are significant.
b. main is where program execution begins.
c. Opening and closing braces enclose program statements in a routine.
d. All program statements must be terminated by a semicolon.
Process returned 0 (0x0)   execution time : 0.019 s
Press any key to continue.
```

2. I expect the output of this to put together the characters in all the printf functions. The output would be "Testing.....1...2...3".

3.

```
#include <stdio.h>

int main (void){
    int firstNum, secondNum, difference;

    firstNum = 87;
    secondNum = 15;
    difference = firstNum - secondNum;

    printf("The difference of the two numbers is %d", difference);

    return 0;
}
```

```
"C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\testing C\Lecture1\Assignments\assignment_lec1_c2"
The difference of the two numbers is 72
Process returned 0 (0x0)   execution time : 0.015 s
Press any key to continue.
```

4. The lines with syntax errors are:

```
int main(Void)
```

```
INT sum;

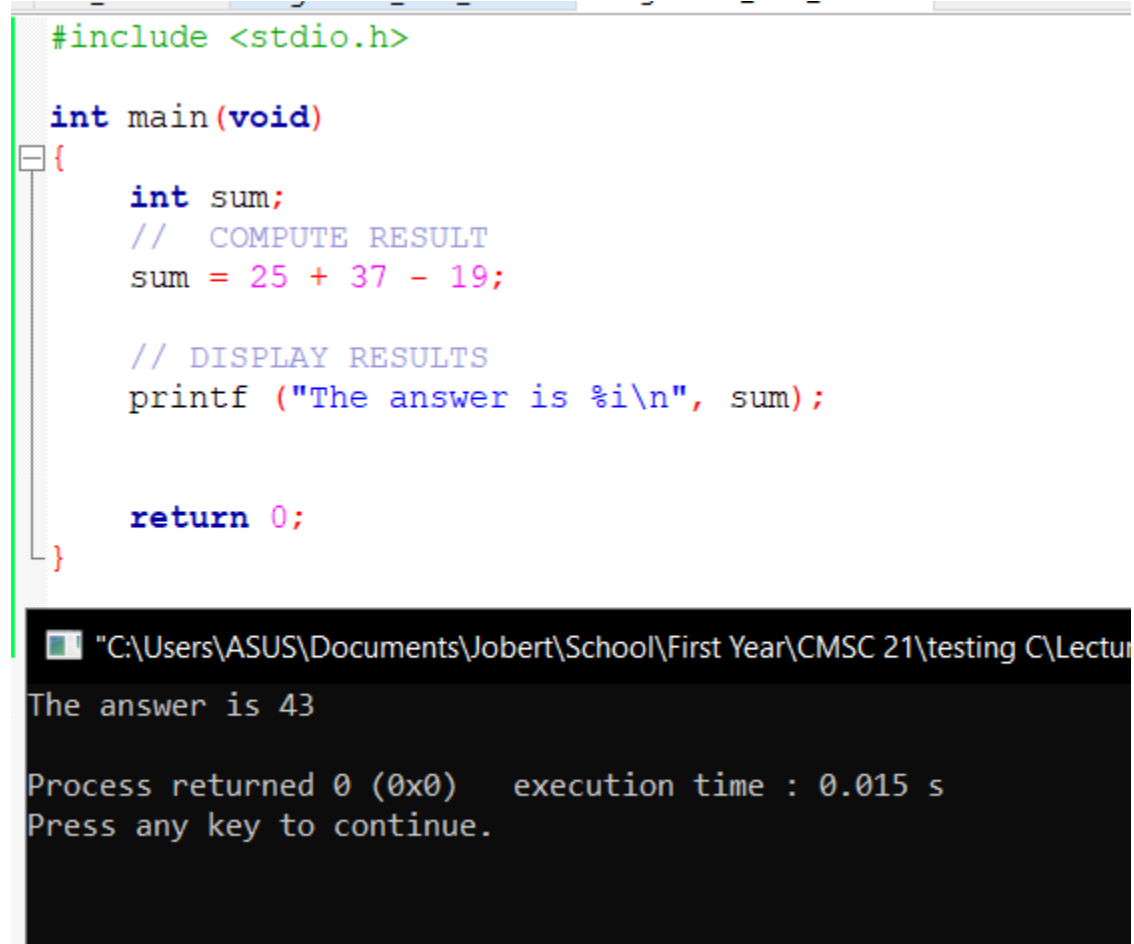
/* COMPUTE RESULT

sum = 25 + 37 - 19

/* DISPLAY RESULTS //

printf ("The answer is %i\n" sum);
```

The corrected program would look like this:



The image shows a code editor window with a C program and a terminal window below it. The code in the editor is as follows:

```
#include <stdio.h>

int main(void)
{
    int sum;
    // COMPUTE RESULT
    sum = 25 + 37 - 19;

    // DISPLAY RESULTS
    printf ("The answer is %i\n", sum);

    return 0;
}
```

The terminal window shows the output of the program:

```
"C:\Users\ASUS\Documents\Jobert\School\First Year\CMSC 21\testing C\Lectur
The answer is 43

Process returned 0 (0x0)   execution time : 0.015 s
Press any key to continue.
```

5. The program would output "The result is 95" if the fourth line "answer = 100." Had a semicolon at the end of the line.