1. Write a program that prints the following text at the terminal.

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.

```c
#include <stdio.h>
int main(void)
{
//Use printf function to print the input.
    printf("In C, lowercase letters are significant.\n");
    printf("main is where program execution begins.\n");
    printf("Opening and closing braces enclose program statements in a routine.\n");
    printf("All program statements must be terminated by a semicolon.\n");
    return 0;
}

```

2. What output would you expect from the following program?

> Testing.....1...2..3

3. Write a program that subtracts the value 15 from 87 and displays the result, together with an appropriate message, at the terminal.

```c
#include <stdio.h>
int main(void)
{
//identify the minuend and subtrahend.
    int minuend, subtrahend, difference;
    difference = minuend - subtrahend;
    difference = 87 - 15;
//print the result.
    printf("The answer is %i\n",difference);
    return 0;
}
```

4. Identify the syntactic errors in the following program. Then type in and run the corrected program to ensure you have correctly identified all the mistakes.

> the capital ‘V’ in Void, it should be small letter ‘v’.

> ‘INT’ is undefined, it should be ‘int’.

> no opening braces.

> missing a comma after the semicolon.

> no semicolon at the end of the number.

> the use of comments, the (//) expire at the end of the line while (/*) will effect until a closing comment mark (*/).

```c
#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;
}
```

5. What output might you expect from the following program?

> there is an error because of the period(.) in code, but it will replace by a semicolon(;) we can get an output of 95.