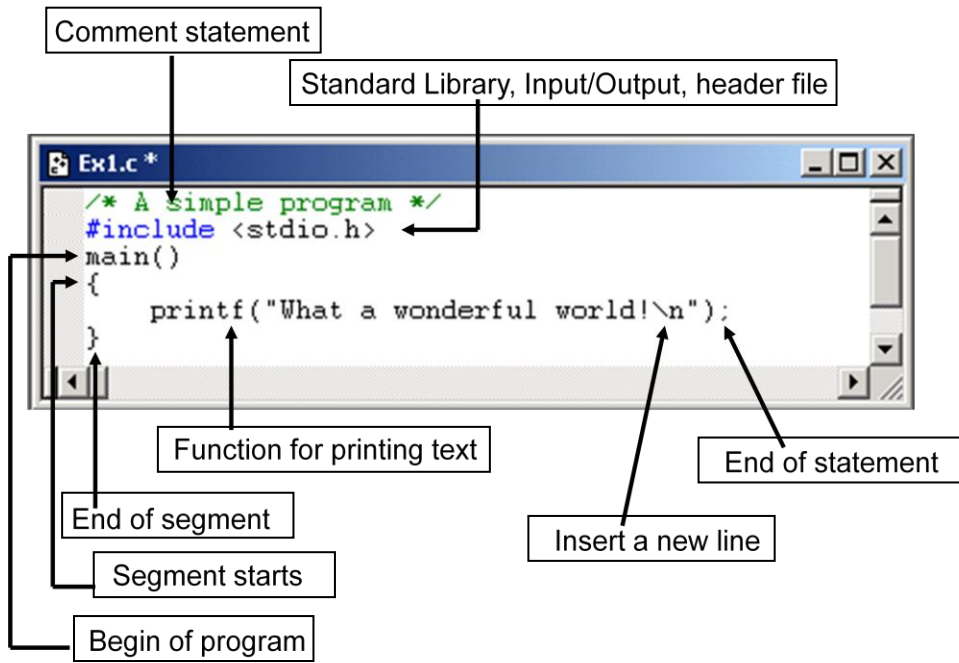


**Principles of Programming
QUIZ # 1**

Instruction: You are required to answer all the following questions on this question paper.

Question 1 (4 Marks)

Label the following C programming code correctly.



Question 2 (6 Marks)

Assuming that the value of x is 11, the value of y is 6, the value of z is 1, the value of c is 'k' and the value of d is 'y', fill in the following table with the correct value.

Expression	Value
<code>x == 5 y != 3</code>	1
<code>!(x > 9 && y != 23)</code>	0
<code>x <= 1 && y ==6 z < 4</code>	0
<code>c >= 'a' c <= 'z'</code>	1
<code>c != d && c != '\n'</code>	1
<code>x >= y >= z</code>	1

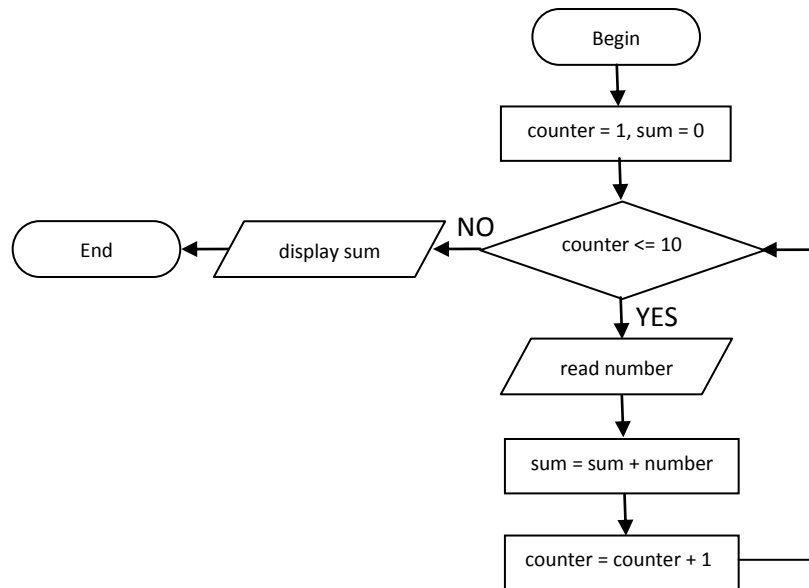
Question 3 (5 Marks)

Design an algorithm (using a pseudocode or a flowchart) for a program that calculates the sum of 10 numbers given by the user (one after another) and then display the total sum. You are expected to use the REPETITION STUCTURE for this question.

Begin

```
counter = 1, sum = 0
while (counter <= 10)
read number
sum = sum + number
counter = counter + 1
end_while
display sum
```

End



Question 4 (5 Marks)

Write a complete C program that calculates and display the average of 3 numbers entered by the user.

```
#include <stdio.h>
void main()
{
    int num1, num2, num3;

    printf(Enter the numbers: ");
    scanf("%d%d%d",&num1,&num2,&num3);

    sum = num1+num2+num3;
    average = sum/3;

    printf("The average = %d",average);
}
```