C Programming Basic Algorithm

**1.** Write a C program to compute the sum of the two given integer values. If the two values are the same, then return triple their sum.   
*Expected Output*:

3

12

**2.** Write a C program to get the absolute difference between n and 51. If n is greater than 51 return triple the absolute difference.   
*Expected Output*:

6

21

0

**3.** Write a C program to check two given integers, and return true if one of them is 30 or if their sum is 30.   
*Expected Output*:

1

1

0

**4.** Write a C program to check a given integer and return true if it is within 10 of 100 or 200.   
*Expected Output*:

1

1

0

**5.** Write a C program to check if a given positive number is a multiple of 3 or a multiple of 7.   
*Expected Output*:

1

1

1

0

**6.** Write a C program to check if one given temperatures is less than 0 and the other is greater than 100.   
*Expected Output*:

1

1

0

**7.** Write a C program to check two given integers whether either of them is in the range 100..200 inclusive.   
*Expected Output*:

1

0

1

**8.** Write a C program to check whether three given integer values are in the range 20..50 inclusive. Return true if 1 or more of them are in the said range otherwise return false.   
*Expected Output*:

1

1

1

0

**9.** Write a C program to check whether two given integer values are in the range 20..50 inclusive. Return true if 1 or other is in the said range otherwise false.   
*Expected Output*:

1

1

1

0

**10.** Write a C program to check which number nearest to the value 100 among two given integers. Return 0 if the two numbers are equal.   
*Expected Output*:

95

0

99

**11.** Write a C program to check whether two given integers are in the range 40..50 inclusive, or they are both in the range 50..60 inclusive.   
*Expected Output*:

0

0

1

1

**12.** Write a C program to find the larger value from two positive integer values that is in the range 20..30 inclusive, or return 0 if neither is in that range.   
*Expected Output*:

0

30

25

28

**13.** Write a C program to check if two given non-negative integers have the same last digit.   
*Expected Output*:

0

1

1

0

**14.** Write a C program to check whether the sequence of numbers 1, 2, 3 appears in a given array of integers somewhere.   
*Expected Output*:

1

0

1

**15.** Write a C program to count the number of two 5's are next to each other in an array of integers. Also count the situation where the second 5 is actually a 6.   
*Expected Output*:

1

2

1