

1. Write a C# Sharp 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
5
12

2. Write a C# Sharp 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# Sharp program to check two given integers, and return true if one of them is 30 or if their sum is 30.

Expected Output:

True
True
True
False

4. Write a C# Sharp program to check a given integer and return true if it is within 10 of 100 or 200.

Expected Output:

True
True
False

5. Write a C# Sharp program to create a new string where 'if' is added to the front of a given string. If the string already begins with 'if', return the string unchanged.

Expected Output:

if else
not else

6. Write a C# Sharp program to remove the character in a given position of a given string. The given position will be in the range 0.. string length -1 inclusive.

Expected Output:

Pthon
ython
Pythn

7. Write a C# Sharp program to exchange the first and last characters in a given string and return the new string.

Expected Output:

dbca
a
yx

8. Write a C# Sharp program to create a new string which is 4 copies of the 2 front characters of a given string. If the given string length is less than 2 return the original string.

Expected Output:

C C C C
JSJSJSJS
a

9. Write a C# Sharp program to create a new string with the last char added at the front and back of a given string of length 1 or more.

Expected Output:

dRedd
nGreenn
111

10. Write a C# Sharp program to check if a given positive number is a multiple of 3 or a multiple of 7.

Expected Output:

True
True
True

False

11. Write a C# Sharp program to create a new string taking the first 3 characters of a given string and return the string with the 3 characters added at both the front and back. If the given string length is less than 3, use whatever characters are there.

Expected Output:

PytPythonPyt

JSJSJS

CodCodeCod

12. Write a C# Sharp program to check if a given string starts with 'C#' or not.

Expected Output:

True

True

False

13. Write a C# Sharp program to check if one given temperatures is less than 0 and the other is greater than 100.

Expected Output:

True

True

False

14. Write a C# Sharp program to check two given integers whether either of them is in the range 100..200 inclusive.

Expected Output:

True

False

True

15. Write a C# Sharp 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 false.

Expected Output:

True

True
True
False

16. Write a C# Sharp 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:

True
True
True
False

17. Write a C# Sharp program to check if a string 'yt' appears at index 1 in a given string. If it appears return a string without 'yt' otherwise return the original string.

Expected Output:

Phon
ytade
jsues

18. Write a C# Sharp program to check the largest number among three given integers.

Expected Output:

3
3
1
2

19. Write a C# Sharp 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

20. Write a C# Sharp 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:

False

False

True

True

21. Write a C# Sharp 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

22. Write a C# Sharp program to check if a given string contains between 2 and 4 'z' character.

Expected Output:

True

False

True

False

23. Write a C# Sharp program to check if two given non-negative integers have the same last digit.

Expected Output:

False

True

True

False

24. Write a C# Sharp program to convert the last 3 characters of a given string in upper case. If the length of the string has less than 3 then uppercase all the characters.

Expected Output:

PytHON
JavascriPT
JS
PHP

25. Write a C# Sharp program to create a new string which is n (non-negative integer) copies of a given string.

Expected Output:

JSJS
JSJSJS
JS

26. Write a C# Sharp program to create a new string which is n (non-negative integer) copies of the the first 3 characters of a given string. If the length of the given string is less than 3 then return n copies of the string.

Expected Output:

PytPyt
PytPytPyt
JSJSJS

27. Write a C# Sharp program to count the string "aa" in a given string and assume "aaa" contains two "aa".

Expected Output:

2
2
3

28. Write a C# Sharp program to check if the first appearance of "a" in a given string is immediately followed by another "a".

Expected Output:

True
False
True

29. Write a C# Sharp program to create a new string made of every other character starting with the first from a given string.

Expected Output:

Pto

PP

J

30. Write a C# Sharp program to create a string like "aababcbcd" from a given string "abcd".

Expected Output:

aababcbcd

aababc

a

31. Write a C# Sharp program to count a substring of length 2 appears in a given string and also as the last 2 characters of the string. Do not count the end substring.

Expected Output:

1

2

3

0

32. Write a C# Sharp program to check a specified number is present in a given array of integers.

Expected Output:

True

True

False

33. Write a C# Sharp program to check if one of the first 4 elements in an array of integers is equal to a given element.

Expected Output:

True

True

False

34. Write a C# Sharp program to check whether the sequence of numbers 1, 2, 3 appears in a given array of integers somewhere.

Expected Output:

True

True

False

35. Write a C# Sharp program to compare two given strings and return the number of the positions where they contain the same length 2 substring.

Expected Output:

True

True

False

36. Write a C# Sharp program to create a new string from a give string where a specified character have been removed except starting and ending position of the given string.

Expected Output:

True

True

False

37. Write a C# Sharp program to create a new string of the characters at indexes 0,1, 4,5, 8,9 ... from a given string.

Expected Output:

Pyon

JaScpt

HT

38. Write a C# Sharp 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

39. Write a C# Sharp program to check if a triple is presents in an array of integers or not. If a value appears three times in a row in an array it is called a triple.

Expected Output:

True

True

False

40. Write a C# Sharp program to compute the sum of the two given integers. If the sum is in the range 10..20 inclusive return 30.

Expected Output:

29

30

39

30

41. Write a C# Sharp program that accept two integers and return true if either one is 5 or their sum or difference is 5.

Expected Output:

True

False

True

42. Write a C# Sharp program to test if a given non-negative number is a multiple of 13 or it is one more than a multiple of 13.

Expected Output:

True

True

True

False

43. Write a C# Sharp program to check if a given non-negative given number is a multiple of 3 or 7, but not both.

Expected Output:

True

True
False

44. Write a C# Sharp program to check if a given number is within 2 of a multiple of 10.

Expected Output:

False
False
True
True

45. Write a C# Sharp program to compute the sum of the two given integers. If one of the given integer value is in the range 10..20 inclusive return 18.

Expected Output:

10
18
18
241

46. Write a C# Sharp program to check whether a given string starts with "F" or ends with "B". If the string starts with "F" return "Fizz" and return "Buzz" if it ends with "B" If the string starts with "F" and ends with "B" return "FizzBuzz". In other cases return the original string.

Expected Output:

Fizz
founder
club
forb

47. Write a C# Sharp program to check if it is possible to add two integers to get the third integer from three given integers.

Expected Output:

True
False
True

48. Write a C# Sharp program to check if y is greater than x, and z is greater than y from three given integers x,y,z.

Expected Output:

True

True

False

49. Write a C# Sharp program to check if three given numbers are in strict increasing order, such as 4 7 15, or 45, 56, 67, but not 4 ,5, 8 or 6, 6, 8. However, if a fourth parameter is true, equality is allowed, such as 6, 6, 8 or 7, 7, 7.

Expected Output:

True

True

False

True

50. Write a C# Sharp program to check if two or more non-negative given integers have the same rightmost digit.

Expected Output:

True

True

False

51. Write a C# Sharp program to check three given integers and return true if one of them is 20 or more less than one of the others.

Expected Output:

True

True

False

52. Write a C# Sharp program to find the larger from two given integers. However if the two integers have the same remainder when divided by 7, then the return the smaller integer. If the two integers are the same, return 0.

Expected Output:

11

20
0

53. Write a C# Sharp program to check two given integers, each in the range 10..99. Return true if a digit appears in both numbers, such as the 3 in 13 and 33.

Expected Output:

True

False

True

54. Write a C# Sharp program to compute the sum of two given non-negative integers x and y as long as the sum has the same number of digits as x. If the sum has more digits than x then return x without y.

Expected Output:

9

7

20

55. Write a C# Sharp program to compute the sum of three given integers. If the two values are same return the third value.

Expected Output:

16

23

12

18

56. Write a C# Sharp program to compute the sum of the three integers. If one of the values is 13 then do not count it and its right towards the sum.

Expected Output:

16

23

10

0

57. Write a C# Sharp program to compute the sum of the three given integers. However, if any of the values is in the range 10..20 inclusive then that value counts as 0, except 13 and 17.

Expected Output:

16
11
13
17

58. Write a C# Sharp program to check two given integers and return the value whichever value is nearest to 13 without going over. Return 0 if both numbers go over.

Expected Output:

5
12
13
0
0

59. Write a C# Sharp program to check three given integers (small, medium and large) and return true if the difference between small and medium and the difference between medium and large is same.

Expected Output:

True
False
True

60. Write a C# Sharp program to create a new string using two given strings s1, s2, the format of the new string will be s1s2s2s1.

Expected Output:

HiHelloHelloHi
whatsappappwhats

61. Write a C# Sharp program to insert a given string into middle of the another given string of length 4.

Expected Output:

[[Hello]]
((Hi))

62. Write a C# Sharp program to create a new string using three copies of the last two character of a given string of length atleast two.

Expected Output:

lololo

HiHiHi

63. Write a C# Sharp program to create a new string using first two characters of a given string. If the string length is less than 2 then return the original string..

Expected Output:

He

Hi

H

64. Write a C# Sharp program to create a new string of the first half of a given string of even length.

Expected Output:

He

H

65. Write a C# Sharp program to create a new string without the first and last character of a given string of length atleast two.

Expected Output:

ell

ytho

66. Write a C# Sharp program to create a new string from two given string one is shorter and another is longer. The format of the new string will be long string + short string + long string.

Expected Output:

HiHelloHi

JSPythonJS

67. Write a C# Sharp program to concat two given string of length atleast 1, after removing their first character.

Expected Output:

elloi

Sython

68. Write a C# Sharp program to move the first two characters to the end of a given string of length at least two.

Expected Output:

lloHe

JS

69. Write a C# Sharp program to move the last two characters to the start of a given string of length at least two.

Expected Output:

loHel

JS

70. Write a C# Sharp program to create a new string without the first and last character of a given string of any length.

Expected Output:

ell

71. Write a C# Sharp program to create a new string using the two middle characters of a given string of even length (at least 2).

Expected Output:

el

JS

72. Write a C# Sharp program to check if a given string ends with "on".

Expected Output:

False

True

True

False

73. Write a C# Sharp program to create a new string using the first and last n characters from a given string of length at least n.

Expected Output:

Ho

Pyon

on

oo

74. Write a C# Sharp program to create a new string of length 2 starting at the given index of a given string.

Expected Output:

el

th

on

75. Write a C# Sharp program to create a new string taking 3 characters from the middle of a given string at least 3.

Expected Output:

ell

yth

abc

76. Write a C# Sharp program to create a new string of length 2, using first two characters of a given string. If the given string length is less than 2 use '#' as missing characters.

Expected Output:

He

Py

a#

##

77. Write a C# Sharp program to create a new string taking the first character from a given string and the last character from another given string. If the length of any given string is 0, use '#' as its missing character.

Expected Output:

Hi

PP

JS

C#

78. Write a C# Sharp program to concat two given strings (lowercase). If there are any double character in new string then omit one character.

Expected Output:

abcat

pythonphp

phpphp

79. Write a C# Sharp program to create a new string from a given string after swapping last two characters.

Expected Output:

Helol

Pythno

PPH

SJ

C

80. Write a C# Sharp program to check if a given string begins with 'abc' or 'xyz'. If the string begins with 'abc' or 'xyz' return 'abc' or 'xyz' otherwise return the empty string.

Expected Output:

abc

abc

xyz

xyz

81. Write a C# Sharp program to check whether the first two characters and last two characters of a given string are same.

Expected Output:

True

False

True

82. Write a C# Sharp program to concat two given strings. If the given strings have different length remove the characters from the longer string.

Expected Output:

abcbcd

PythonPython

JSon

83. Write a C# Sharp program to create a new string using 3 copies of the first 2 characters of a given string. If the length of the given string is less than 2 use the whole string.

Expected Output:

ababab

PyPyPy

JJJ

84. Write a C# Sharp program to create a new string from a given string. If the two characters of the given string from its beginning and end are same return the given string without the first two characters otherwise return the original string.

Expected Output:

cab

Python

85. Write a C# Sharp program to create a new string from a given string without the first two characters. Keep the first character if it is "p" and keep the second character if it is "y".

Expected Output:

cab

python

pess

ython

86. Write a C# Sharp program to create a new string from a given string without the first and last character if the first or last characters are 'a' otherwise return the original given string.

Expected Output:

bcab

python

bcd

jython

87. Write a C# Sharp program to create a new string from a given string. If the first or first two characters is 'a', return the string without those 'a' characters otherwise return the original given string.

Expected Output:

bcab

python

cda

jython

88. Write a C# Sharp program to check a given array of integers of length 1 or more and return true if 10 appears as either first or last element in the given array.

Expected Output:

True

True

True

False

89. Write a C# Sharp program to check a given array of integers of length 1 or more and return true if the first element and the last element are equal in the given array.

Expected Output:

False

True

False

90. Write a C# Sharp program to check two given arrays of integers of length 1 or more and return true if they have the same first element or they have the same last element.

Expected Output:

True

True

False

91. Write a C# Sharp program to compute the sum of the elements of an given array of integers.

Expected Output:

150

10

92. Write a C# Sharp program to rotate the elements of a given array of integers (length 4) in left direction and return the new array.

Expected Output:

Rotated array: 20 -30 -40 10

93. Write a C# Sharp program to reverse a given array of integers and length 4.

Expected Output:

Reverse array: 50 -40 -30 20 10

94. Write a C# Sharp program to find out the maximum element between the first or last element in a given array of integers (length 4), replace all elements with maximum element.

Expected Output:

New array: 20 20 20 20

95. Write a C# Sharp program to create a new array containing the middle elements from the two given arrays of integers, each length 5.

Expected Output:

New array: -30 30

96. Write a C# Sharp program to create a new array taking the first and last elements of a given array of integers and length 1 or more.

Expected Output :
New array: 10 30

97. Write a C# Sharp program to check if a given array of integers and length 2, contains 15 or 20.

Expected Output :
True
True
False

98. Write a C# Sharp program to check if a given array of integers and length 2, does not contain 15 or 20.

Expected Output :
False
False
True

99. Write a C# Sharp program to create a new array of integers and length 1 or more. The length of the new array will be double length of the given array and all the elements are 1 except the first element which is equal to the given array.

Expected Output :
New array: 10 0 0 0 0 0 0 0 0

100. Write a C# Sharp program to check a given array of integers and return true if the array contains 10 or 20 twice. The length of the array will be 0, 1, or 2.

Expected Output :
False
True
True
False

101. Write a C# Sharp program to check a given array of integers, length 3 and create a new array. If there is a 5 in the given array immediately followed by a 7 then set 7 to 1.

Expected Output :
Original array: 1, 5, 7

New array: 1 5 1

102. Write a C# Sharp program to compute the sum of the two given arrays of integers, length 3 and find the array which has the largest sum.

Expected Output :

Original array: 1, 5, 7

Larger array: 10 20 30

103. Write a C# Sharp program to create an array taking two middle elements from a given array of integers of length even.

Expected Output:

Original array: 1, 5, 7, 9, 11, 13

New array: 7 9

104. Write a C# Sharp program to create a new array from two give array of integers, each length 3.

Expected Output :

Array 1: 10, 20, 30

Array 2: 40, 50, 60

New array: 10 20 30 40 50 60

105. Write a C# Sharp program to create a new array swapping the first and last elements of a given array of integers and length will be least 1.

Expected Output :

Original array: 1, 5, 7, 9, 11, 13

After swapping first and last elements: 13 5 7 9 11 1

106. Write a C# Sharp program to create a new array length 3 from a given array (length atleast 3) using the elements from the middle of the array.

Expected Output :

Original array: 1, 5, 7, 9, 11, 13

New array: 7 9 11

107. Write a C# Sharp program to find the largest value from first, last, and middle elements of a given array of integers of odd length (atleast 1).

Expected Output :

1
9
9
7
8

108. Write a C# Sharp program to create a new array taking the first two elements from a given array. If the length of the given array is less than 2 then return the give array.

Expected Output :

New array: 1 5

109. Write a C# Sharp program to count even number of elements in a given array of integers.

Expected Output :

Original array: 1, 5, 7, 9, 10, 12

2

110. Write a C# Sharp program to compute the difference between the largest and smallest values in a given array of integers and length one or more.

Expected Output:

Original array: 1, 5, 7, 9, 10, 12

Difference between the largest and smallest values:

11

111. Write a C# Sharp program to compute the sum of values in a given array of integers except the number 17. Return 0 if the given array has no integer.

Expected Output :

Original array: 1, 5, 7, 9, 10, 17

Sum of values in the array of integers except the number 17:

32

112. Write a C# Sharp program to compute the sum of the numbers in a given array except those numbers starting with 5 followed by atleast one 6. Return 0 if the given array has no integer.

Expected Output :

Original array: 1, 5, 6, 9, 10, 17

Sum of the numbers of the said array except those numbers starting with 5 followed by atleast one 6:

37

113. Write a C# Sharp program to check if a given array of integers contains 5 next to a 5 somewhere.

Expected Output :

False

True

True

114. Write a C# Sharp program to check whether a given array of integers contains 5's and 7's.

Expected Output :

True

True

False

115. Write a C# Sharp program to check if the sum of all 5' in the array exactly 15 in a given array of integers.

Expected Output :

False

True

False

116. Write a C# Sharp program to check if the number of 3's is greater than the number of 5's.

Expected Output :

False

True

False

117. Write a C# Sharp program to check if a given array of integers contains a 3 or a 5.

Expected Output :

True
True
True
False

118. Write a C# Sharp program to check if a given array of integers contains no 3 or a 5.

Expected Output :

True
True
False
True

119. Write a C# Sharp program to check if an array of integers contains a 3 next to a 3 or a 5 next to a 5 or both.

Expected Output :

True
False
False
True

120. Write a C# Sharp program to check a given array of integers and return true if the given array contains two 5's next to each other, or two 5 separated by one element.

Expected Output :

True
False
True
True

121. Write a C# Sharp program to check a given array of integers and return true if there is a 3 with a 5 somewhere later in the given array.

Expected Output :

True
False
True

False

122. Write a C# Sharp program to check a given array of integers and return true if the given array contains either 2 even or 2 odd values all next to each other.

Expected Output :

True

False

True

True

123. Write a C# Sharp program to check a given array of integers and return true if the value 5 appears 5 times and there are no 5 next to each other.

Expected Output :

True

False

True

False

124. Write a C# Sharp program to check a given array of integers and return true if every 5 that appears in the given array is next to another 5.

Expected Output :

True

False

True

False

125. Write a C# Sharp program to check a given array of integers and return true if the specified number of same elements appears at the start and end of the given array.

Expected Output :

True

False

True

126. Write a C# Sharp program to check a given array of integers and return true if the array contains three increasing adjacent numbers.

Expected Output :

True

False

True

127. Write a C# Sharp program to shift an element in left direction and return a new array.

Expected Output :

New array: 20 -30 -40 50 10

128. Write a C# Sharp program to create a new array taking the elements before the element value 5 from a given array of integers.

Expected Output :

New array: 1 2 3

129. Write a C# Sharp program to create a new array taking the elements after the element value 5 from a given array of integers.

Expected Output :

New array: 7 9 11

130. Write a C# Sharp program to create a new array from a given array of integers shifting all zeros to left direction.

Expected Output :

New array: 0 0 1 3 5 7 2 9 11

131. Write a C# Sharp program to create a new array after replacing all the values 5 with 0 shifting all zeros to right direction.

Expected Output :

New array: 1 2 3 7 9 11 0 0 0

132. Write a C# Sharp program to create new array from a given array of integers shifting all even numbers before all odd numbers.

Expected Output :

New array: 2 4 6 3 5 1 5 9 11

133. Write a C# Sharp program to check if the value of each element is equal or greater than the value of previous element of a given array of integers.

Expected Output:

False

True

True

True

134. Write a C# Sharp program to check a given array (length will be atleast 2) of integers and return true if there are two values 15, 15 next to each other.

Expected Output :

True

False

True

False

135. Write a C# Sharp program to find the larger average value between the first and the second half of a given array of integers and minimum length is atleast 2. Assume that the second half begins at index (array length)/2.

Expected Output:

6

10

136. Write a C# Sharp program to count the number of strings with given length in given array of strings.

Expected Output:

Number of array:

3

137. Write a C# Sharp program to create a new array using the first n strings from a given array of strings. ($n \geq 1$ and \leq length of the array).

Expected Output :

New array: a b bb

138. Write a C# Sharp program to create a new array from a given array of strings using all the strings whose length are matched with given string length.

Expected Output :

New array: aaa bbb ccc

139. Write a C# Sharp program to check a positive integer and return true if it contains a number 2.

Expected Output:

True

False

True

140. Write a C# Sharp program to create a new array of given length using the odd numbers from a given array of positive integers.

Expected Output:

New array: 1 3 5

141. Write a C# Sharp program to create a new list from a given list of integers where each element is multiplied by 3.

Expected Output :

New array: 3 6 9 12

142. Write a C# Sharp program to create a new list from a given list of integers where each integer multiplied by itself three times.

Expected Output:

New array: 1 8 27 64

143. Write a C# Sharp program to create a new list from a given list of strings where each element has "#" added at the beginning and end position.

Expected Output :

#1# #2# #3# #4#

144. Write a C# Sharp program to create a new list from a given list of strings where each element is replaced by 4 copies of the string concatenated together.

Expected Output :

1111 2222 3333 4444

145. Write a C# Sharp program to create a new list from a given list of integers where each integer value is added to 2 and the result value is multiplied by 5.

Expected Output :

15 20 25 30

146. Write a C# Sharp program to create a new list of the rightmost digits from a given list of positive integers.

Expected Output:

0 2 5 1

147. Write a C# Sharp program to create a new list from a given list of strings where strings will be in upper case in new string.

Expected Output :

ABC CDEF JS PHP

148. Write a C# Sharp program to remove all "a" in each string in given list of strings and return the new string.

Expected Output :

bc cdef js php

149. Write a C# Sharp program to create a new list from a given list of integers removing those values which are less than 4.

Expected Output :

0 -2 1 2 3

150. Write a C# Sharp program to create a new list from a given list of integers removing those values end with 7.

Expected Output :

10 22 35 53