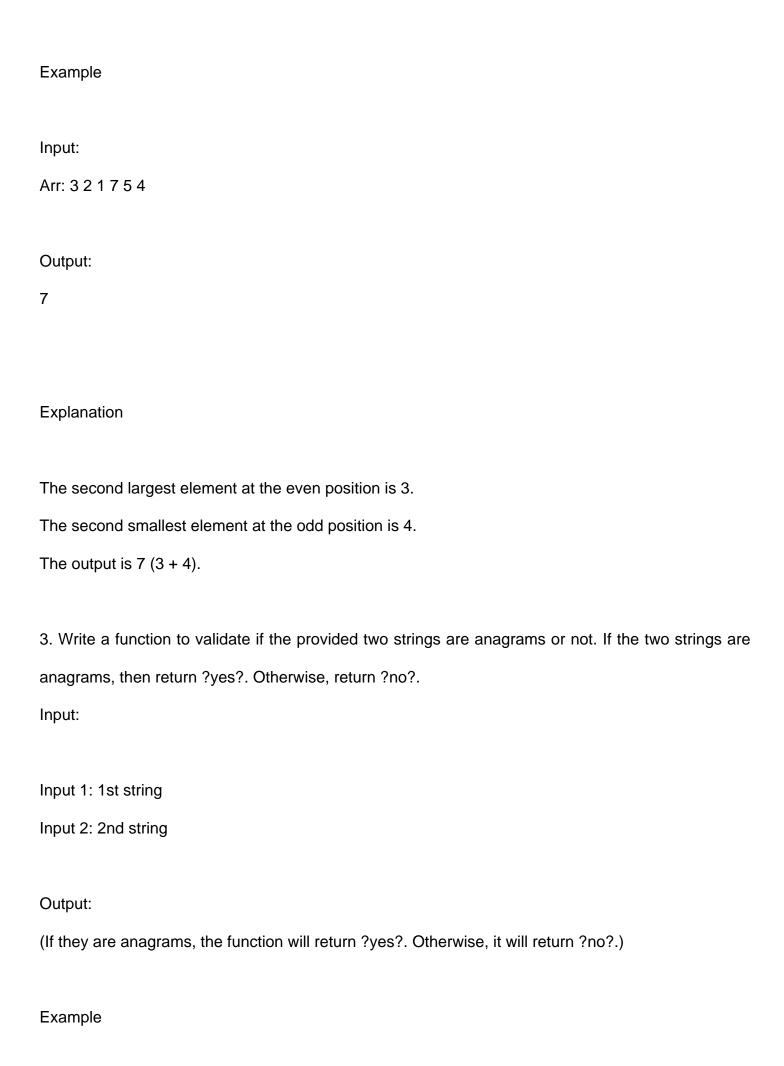
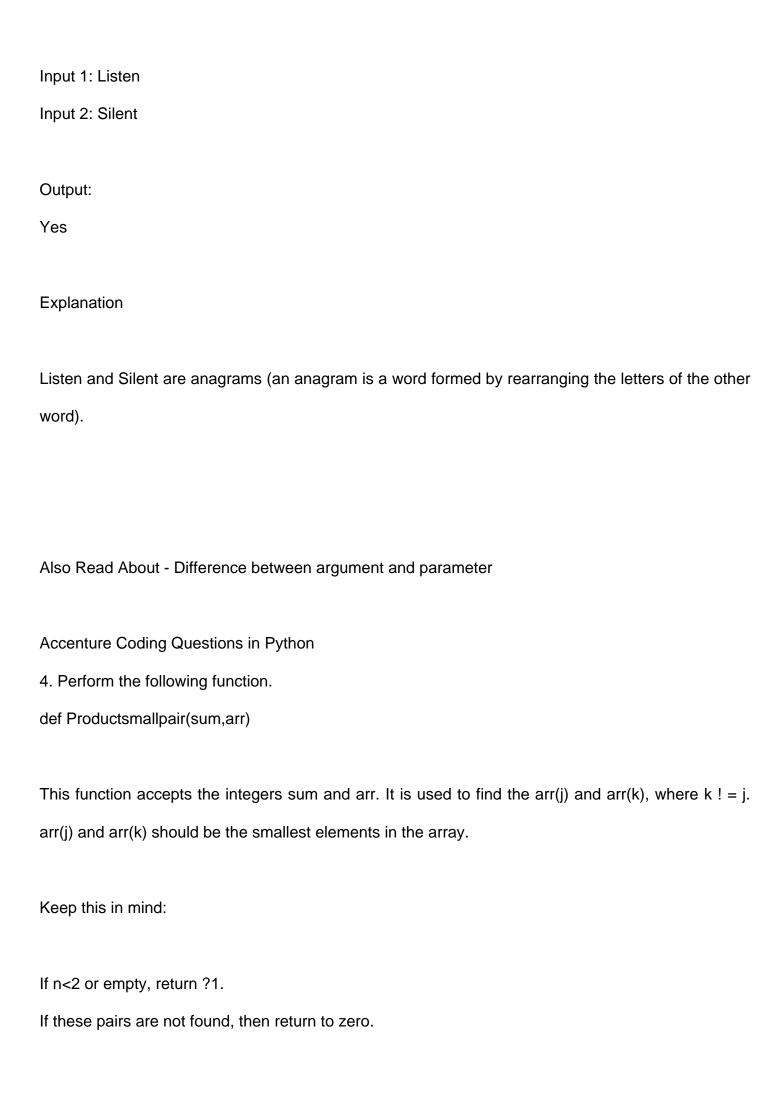
Accenture Coding Questions

The following is a compilation of the type of Accenture coding questions that you?d be encountering.
1. Execute the given function.
def differenceofSum(n.m)
The function takes two integrals m and n as arguments. You are required to obtain the total of all
integers ranging between 1 to n (both inclusive) which are not divisible by m. You must also return
the distinction between the sum of integers not divisible by m with the sum of integers divisible by m.
Assumption
m > 0 and $n > 0$
Sum lies within the integral range
Example
Input:
m = 6
n = 30
Output:
285

Integers divisible by 6 are 6, 12, 18, 24, and 30. Their sum is 90.





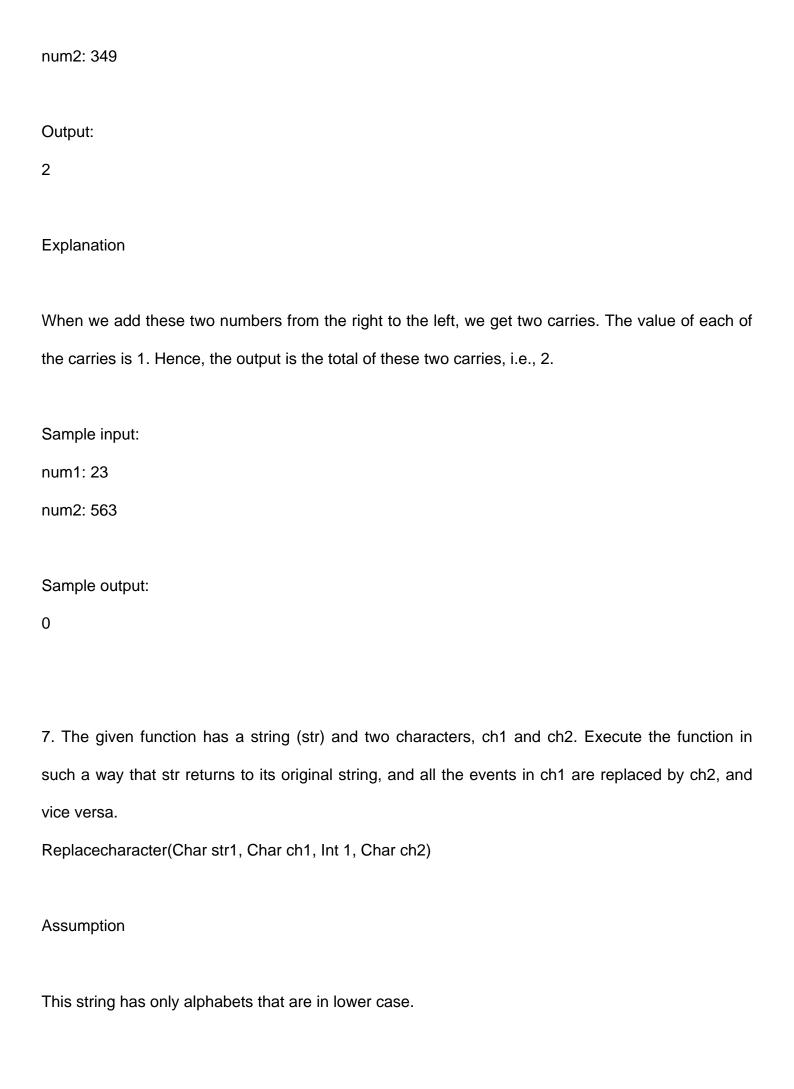




symbols. It uses symbols that are listed as the first n symbols. Decimal and n-based notations are
0:0, 1:1, 2:2, ?, 10:A, 11:B, ?, 35:Z.
Perform the function: Chats DectoNBase(int n, int num)
This function only uses positive integers. Use a positive integer n and num to find out the n-base
that is equal to num.
Steps
Select a decimal number and divide it by n. Consider this as an integer division.
Denote the remainder as n-based notation.
Again divide the quotient by n.
Repeat the above steps until you get a 0 remainder.
The remainders from last to first are the n-base values.
Assumption
1 < n < = 36
Example
Input:
N: 12
Num: 718
Output:
4BA

Explanation
num Divisor Quotient Remainder
718 12 59 10(A)
59 2 4 11(B)
4 12 0 4(4)
Sample input:
N: 21
Num: 5678
Sample output:
CI8
6. Execute the function for the given purpose.
When the sum of the digits exceeds a total of 9, a carry digit is added to the right-left of the digit.
Execute the function: Int Numberofcarry(Integer num 1, Integer num 2)
Assumption
num1, num2 > = 0
Example
Input:

num1: 451



Example
Input:
str: apples
ch1: a
ch2: p
Output:
paales
Explanation
All the ?a? in the string is replaced with ?p?. And all the ?p?s are replaced with ?a?.
Accenture Coding Questions In Java
8. Perform the function: Int operationchoices(int c, int n, int a, int b). This function considers three
positive inputs of a, b and c.
Execute the function to get:
(a + b), if $c = 1$
(a / b), if $c = 4$
(a?b), if c = 2
(a x b), if $c = 3$
Example:
Input:
a: 12
b: 16

Output:
28
Explanation
C = 1, hence the function is (a + b). Hence, the output is 28.
Sample input:
a: 16
b: 20
c: 2
Sample output:
?4
9. Perform the function Int calculate(int m, int n). This function needs two positive integers. Calculate
the sum of numbers between these two numbers that are divisible by 3 and 5.
Assumption
m > n > = 0
Example
Input:
m: 12
n: 50

c: 1

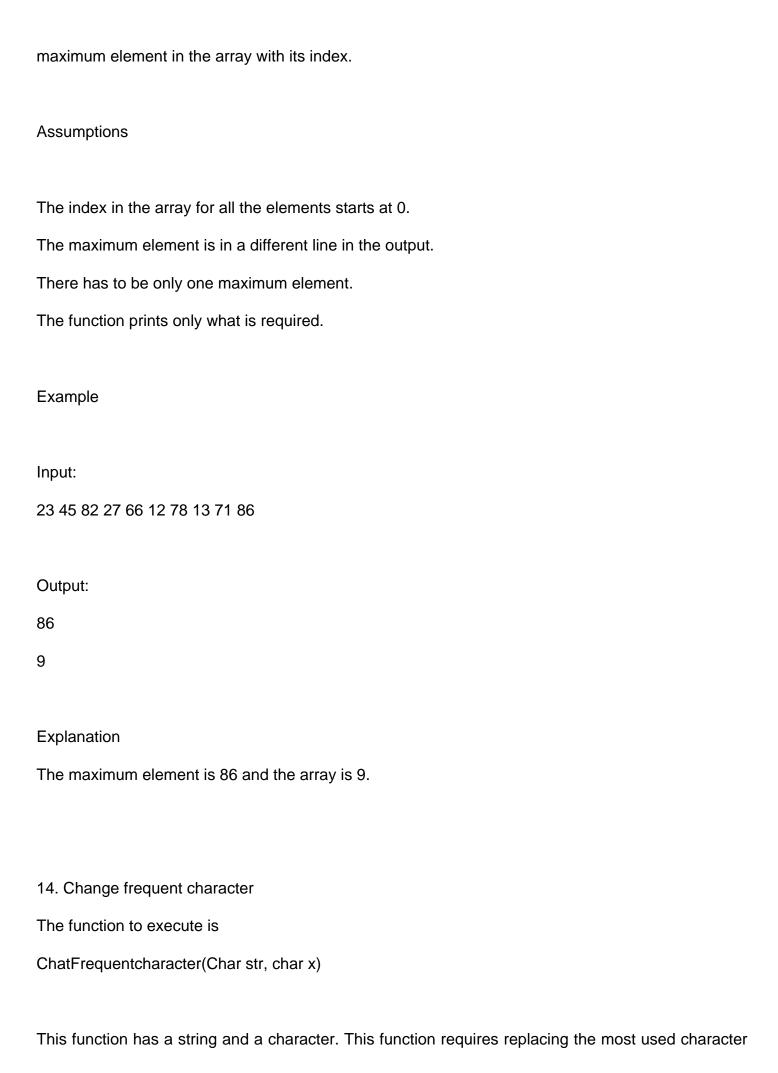
Output:
90
Explanation
The numbers between 12 and 50 that are divisible by 3 and 5 are 15, 30, and 45. The sum of these
numbers is 90.
Sample input:
m: 100
n: 160
Sample output:
405
10. Execute the function for the given purpose.
Create a matrix and mention the elements in it. Now, divide the main matrix into two halves in such
a way that the elements in index 0 are even, the elements in index 1 are odd, and so on.
Then arrange the values in ascending order for even and odd. After this, calculate the sum of the
second largest numbers from both even and odd matrices.
Example
The size of the array is 5.
Element at 0 index: 3
Element at 1 index: 4

Element at 2 index: 1
Element at 3 index: 7
Element at 4 index: 9
Even array: 1,3,9
Odd array: 4,7
Accenture Coding Questions in C
11. The binary number system only uses two digits 1 and 0.
Perform the function: Int OperationsBinarystring(char* str)
Assumptions
Return to ?1 if str is null.
The str is odd.
Example:
Input:
Str: ICOCICIAOBI
Output:
1
Explanation
The input when expanded is ?1 XOR 0 XOR 1 XOR 1 XOR 1 AND 0 OR 1?. The result becomes 1

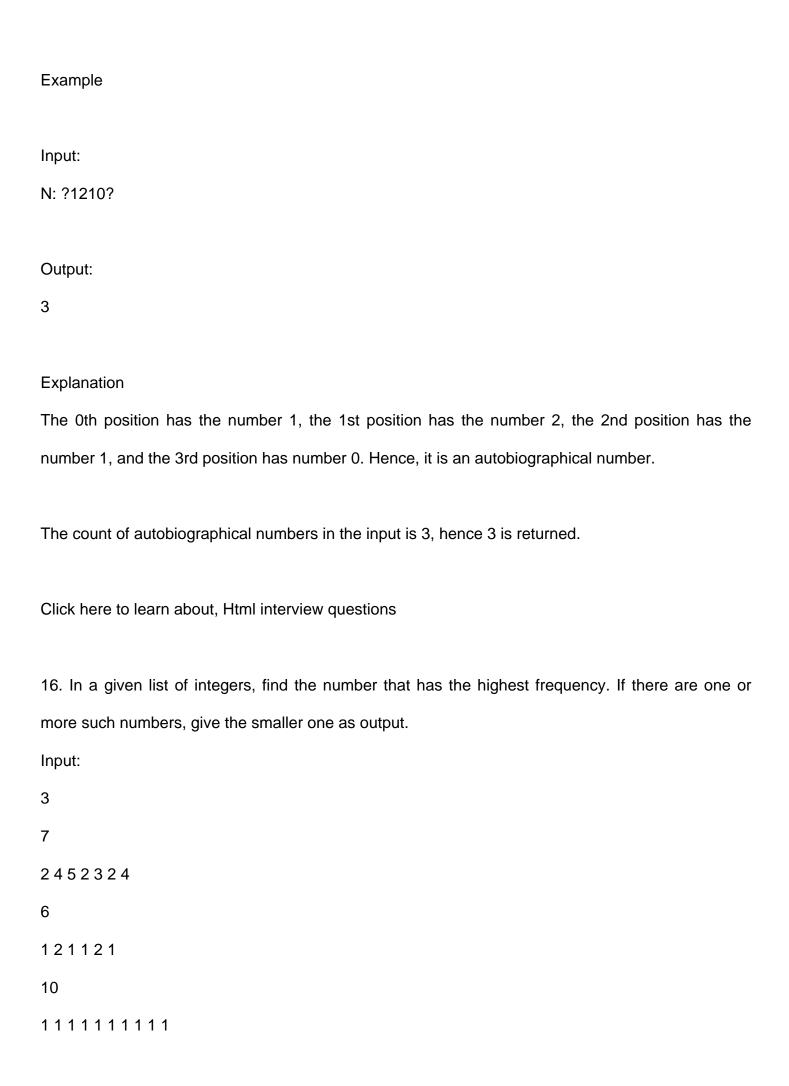
and hence the output is 1.

12. Perform the function Checkpassword (char str[], int n)
Execute the function which happens to be 1 if the str is a valid password or it remains 0.
Conditions for a valid password:
The password should have at least 4 characters.
It should have at least 1 digit.
It should have one capital letter.
It should not have any spaces or obliques (/).
The first character should not be a number.
Assumption
The input is not empty.
Example
Input:
aA1_67
Output:
1
13. Execute this function Void MaxInArray(int arr[], int length)

This function helps in finding the maximum element in the array. Execute this function to print the

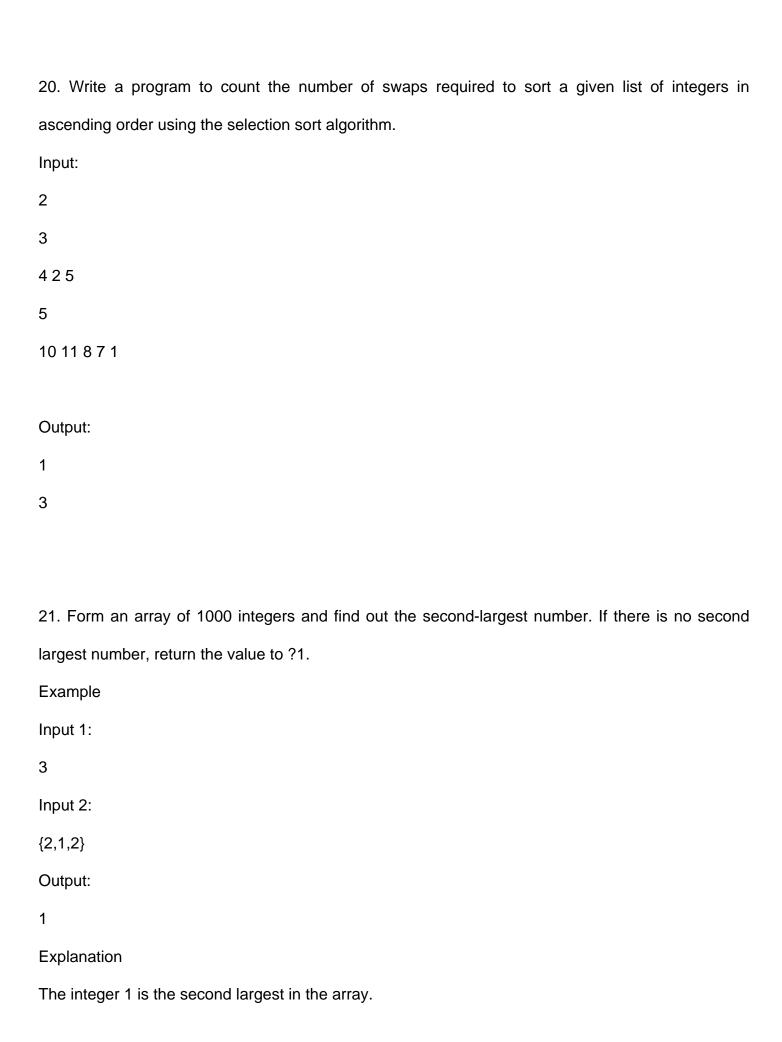


in the str with the ?x? character.
Note: If two characters have the same frequency, then we will have to consider the frequency which
has the lower ASCII value.
Example
Input:
str: bbadbbababb
char x: t
Output:
ttadttatatt
Explanation
The maximum character repeated is ?b? that is replaced with ?t?.
Also read, Software Testing
15. Execute the function Def Autocount(n).
The function accepts the string n. It checks whether the number is an autobiographical number or
not. If an integer returns, then it is an autobiographical number. If 0 returns, then it is not an
autobiographical number.
Assumption
The input value should not be more than 10 characters.
The input string will have numeric characters.



Output:
2
1
1
17. Execute the function for the given purpose.
Write a function mergeArrays which merges two sorted arrays to create one single sorted array.
Complete the function int* mergeArrays(int a[], int b[], int asize, int bsize) below which takes the
pointers to the first element of the two sorted arrays and the size of the arrays, and returns the base
address of the final sorted array.
Input:
4 // Size of 1st array
1 2 3 6 // Elements of 1st array
3 // Size of 2nd array
4 5 7 // Elements of 2nd array
Output:
1
2
3
4
5
6
7

18. Create web access management to the kth largest number. It will accept an integer k and an
array arr as its conditions and has to return the greatest element based on the value of k. That is, if
k=0, return the greatest element. If $k=1$, return the second greatest element, and so on.
Example
Suppose the array contains values like {74, 85, 102, 99, 101, 56, 84} and the integer k is 2. The
method will return 99, the third greatest element, as there are only two (according to the value of k)
values greater than 99 (101 and 102).
19. We have mentioned a list of integers that have no duplicates. Find how many swaps it will take
to sort the list in ascending order using Bubble sort.
Input:
3
5
2 1 4 6 3
10
123 21 34 45 25 675 23 44 55 900
1
23
Output:
3
16
0



Example
Input 1:
5
Input 2:
{4,7,9,8,0}
Output:
8
22. Adam decides to do some charity work. From day 1 till day n, he will give i^2 coins to charity. On
day ?i? $(1 < = i < = n)$, find the number of coins he gives to charity.
Example 1
Input:
2
Output:
5
Explanation:
There are 2 days.
Example 2
Input:
3
Output:
14

23. Perform a function to reverse a string word-wise. The input here will be the string. In the output,
the last word mentioned should come as the first word and vice versa.
Example
Input:
Welcome to code
Output:
code to Welcome
Explanation
The Reversed string word wise function is applied.
Example
Input:
Code to Crack Puzzle
Output:
Puzzle Crack to Code
24. Find the sum of the divisors for the N integer number.
Example 1
Input:
6
Output:
12
Explanation
Divisors of 6 are 1, 2, 3, and 6. The sum of these numbers is 12.

Example 2
Input:
36
Output:
91
25. Execute a function that accepts the integer array of length ?size? and finds out the maximum
number that can be formed by permutation.
Note: You will have to rearrange the numbers to make the maximum number.
Example
Input:
34 79 58 64
Output:
98765443
Explanation
All digits of the array are 3, 4, 7, 9, 5, 8, 6, and 4. The maximum number found after rearranging all
the digits is 98765443.
26. Find a string of a length of 1000 for a large number. Output is the modulo of 11. The output
specification is to return the remainder modulo 11 of the input.
Input:
121
Output:

Exp		- 4	
-vn	ıan	ιэτ	n
$-\lambda \nu$	ш	ıaı	UI

 $121 \mod 11 = 0$

27. Find out if the given set of points are on a straight line or not. If the points are on a straight line, then return the equation. If not, then return 0.

Example

Input:

3

112233

Output:

1x ? 1y = 0

Explanation

The three points here are [1,1], [2,2], and [3,3]. These lie on a line, so the function returned the equation.

28. Write a function to find roots of a quadratic equation $ax^2 + bx + c = 0$.

Note: The formula to find the roots of a quadratic equation is given below:

Example

Input 1: 1

Input 2: ?2

Input 3: 3

Output:
{3.0,?1.0}
Evaluation
Explanation:
On substituting the values of a, b, and c in the formula, the roots will be as follows:
+X = 3.0
-X = ?1.0
29. Write a function to find if the given string is a palindrome or not. Return 1 if the input string is a
palindrome, else return 0.
Input:
level
Output:
1
Explanation:
The reverse of the string ?level? is ?level?. As they are the same, the string is a palindrome.
30. Write a function to check if the given two strings are anagrams or not. Return ?Yes? if they are
anagrams, otherwise, return ?No?.
Example
Input 1: build
Input 2: dubli
Output:
Yes