Python Programming Coding Test

Q1. Write a python program which takes three integers as an input from the user and print them in ascending order.

Input: 12

34

16

Expected Output: 12 16 34

Q2. Write a program which takes a year as input and check whether this year is a leap year or not.

Q3. Write a Python program using a list comprehension to create a list of the first letters of each word in the given list.

list = ['apple', 'banana', 'cherry'].

Q4. Find the Second largest element of the above given list without using max() and sort() functions.

list = [2,5,7,1,4,6,10,11,6,12]

Expected Output: 11

Q5. Write a python program to generate all the factors of the given number and also check count of even and odd factors. Using 'for' loop.

Input: 12

Expected Output: 1,2,3,4,6,12

Even factor Count: 4

Odd factor Count: 2

Q6. Given tpl = (1, 'apple', 3.14, [2, 4, 6], 'banana', 5, [1, 3, 5], 7, 'cherry') , update 4 to 'Hello' then print the tuple.

Q7. Generate the given Outputs from the given list.

list = [1,4,6,[5,'hii',8],'bhopal',5.7,'hello',[24,34,44]]

Outputs:

[[24, 34, 44], 5.7, [5, 'hii', 8], 4]

[5, 'hii']

34

Q8. Write a python program to create a list of numbers which are divisible by 6 between 1 to 100 (included) and print the list.

Note : Use for loop.

Q9. Write a program that takes two numbers and an arithmetic operator and then calculate the result by operating the numbers with the entered operator.

Example:

Enter the 1 number: 5

Enter the 2 number: 2

Enter the operator: *

Output: 10.

Q10. Write a Python program to create a dictionary using dictionary comprehension where the keys are numbers from 1 to 10, and the values are "even" or "odd" depending on the key value.