



presents

THE JOY OF CODING

October 21-29, 2021

V Semester Students

Takeaways

- Hands on Experience with alternate solutions,
- e-certificate with grades printed on it

DAY – 2

The objective of Day- 2 is to explore the

- array manipulations

Instructions and Guidelines

Students are strictly advised to

- type the code and analyze the working of each statement.
- try all the questions given for the day
- upload the source code and sample output into a folder specified by their mentor
- upload the files to their github account

Question 1

Sanvi is a very naughty kid. She can recognize numbers from 0 to 9. Her mother has to submit a report to her team leader in next one hour. To engage the naughty Sanvi, she gives her 8 balloons which has numbered printed on it. Sanvi is asked to put the balloons in a box, in such a way that the box shouldn't contain duplicate balloons with respect to numbers printed on it. Help baby Sanvi to finish the task soon and start her mischiefs.



Question 2

Given an array of integers, and another integer K. Write a program to find indexes of **two** elements in an array which sum is equal to K.

This is called two sum problem.

Test case 1

input

[5, 4, 7, 3, 9, 2]

Sum=13

output

Indices are found at 1 and 4 (4 and 1)

Test case 2

input

[1, 2, 3, 4, 5]

Sum=9

output

Indices are found at 3 and 4 (4 and 3)

Test case 3

input

[1, 2, 3, 4, 5]

Sum = 10

output

No indices found