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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 – 3

The objective of Day- 3 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

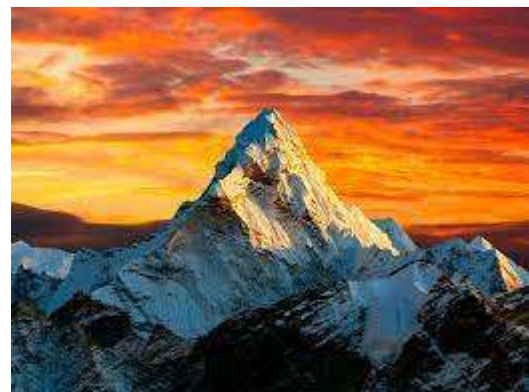
Question 1

Observe the following images,

a



b



Given an image (a), Sanvi is not comfortable viewing it in her computer/tab. She wants a better viewing experience as shown in (b). Write a program that keeps Sanvi happy.

(Hint. Image is represented as matrix; The input is a matrix and the output is a matrix as well.)

Question 2

Consider an unsorted array as shown below



Given an array (as shown) and a positive integer say 19, write a C program that prints the **sub array** and the range of indices whose sum is equal to 19. In this case the sub array is [4,9,6] and the indices range from 2 to 4.

Test case 1

input

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

Sum=23

output

the sub array is [4,7,3,9]

Indices range from 1 to 4

Test case 2

input

[1, 7, 3, 8, 5, 9, 6, 2]

Sum=9

output

the sub array is [9]

Indices range from 5 to 5

Test case 3

input

[1, 7, 3, 8, 5, 9, 6, 2]

Sum = 48

output

Not possible to obtain the sum

❖ **Happy Coding** ❖