

### Common instruction for all three problems:

- Handwritten solution will not be allowed. You need to code.

-Partial marking is available. So try to perform as much as you can.

#### **Problem 1.**

Write a function that takes an integer pointer as argument, and interchanges the first and last digit of that number. The return type of that function should be *void* and you need to finally print that output in *main()*.

Sample Input:

2357

Output:

7352

#### **Problem 2.**

Write a function that takes an integer pointer as argument, and returns all of its factors in an array (integer pointer). You need to finally print the output array in *main()*.

Sample Input:

18

Output:

{1, 2, 3, 6, 9, 18}

#### **Problem 3.**

Write a function that takes two float arrays as argument, and returns another array which contains all the common elements of those two arrays. You need to finally print the output array in *main()*.

Sample Input:

{2.53, 3.72, 5.81, 10.72, 0.95, 8.66}

{2.53, 6.44, 3.58, 1.57, 4.9, 5.81, 10.72}

Output:

{2.53, 5.81, 10.72}

Problem no.	Points
1	10
2	10
3	10