Workshop Week 3a:

1. Write a program in C to take two numbers from the user and print the maximum between two numbers using a pointer.

2. Write a program to count and find the sum of all the numbers in the array which are exactly divisible by 7 and not divisible by 2 and 3.

3. Write a program to initialize an integer array with values {10,5,7,91,54,24}. Pass this array to a function. If element is found, print out its index number and if element is not found then display the message "Element Not found" in the function.

4. Write a program to read three integers using an array and find the smallest and largest among them.You must write a function for finding the largest and smallest integer and the result must be displayed in the main function itself. You are not allowed to create global variables.

5. Write a program to take three numbers from the user and save it in three different variables. You must swap the value of three numbers using function. You must use call by references.

Workshop Week 3b:

1. Write a program in C to take three numbers from the user and print the sum, multiplication, quotient, subtraction and minimum between three numbers using a pointer.

2. Write a program to count and find the sum of all the numbers in the array which are exactly divisible by 5 and not divisible by 2 and 3.

3. Write a program to replace each element in an array with the integer value 5. You must take input from users in the main function and save it in an array. You must also take the size of an array from the user. You must create a function that takes two parameters: an array and length of the array. Your function should not return anything and it should not print anything. You must print before and after replacing an element in an array in the main function.

4. Add a new function in the program you have created in Qno. 3 which takes three parameters: an array, length of the array and value to replace each element in an array. You must receive an integer value in the main function. Your function should not return anything and it should not print anything. You must print a new array in the main function.

Workshop Week 3c:

1. Write a program in C to take two numbers from the user and print the minimum between two numbers using a pointer.

2. Write a program to count and find the sum of all the numbers in the array, which are exactly divisible by 5 and not divisible by 2 and 3. Assign an array to a pointer. Print out address of pointer, array and first element of an array using "%p" formatter.

3. Write a program to initialize an integer array with values {20, 15, 87, 71, 24, 34}. Pass this array to a function. Take input from a user to search a number from an array. If element is found, print out its index number and if element is not found then display the message "Element Not found" in the function.

4. Write a program to read three integers using an array and find the smallest and largest among them. You must write a function for finding the largest and smallest integer and the result must be displayed in the main function itself. You are not allowed to create global variables.