

**FUNDAMENTALS OF COMPUTING USING C & C++ LANGUAGE**  
**(FYCYS 191)**

**THE HERITAGE ACADEMY**

**2025-ODD SEMESTER**

**ASSIGNMENT- 3**

*\*Attempt all Questions*

*\*Proper indentations, comments and programming convention*

1. Write a C program to determine number of odd & even value present in an array.
2. Write a C program to calculate the maximum, minimum and the average of the values in an array.
3. Write a C program to implement linear search using an array of size 10.
4. Write a C program to determine the size of the array.
5. Write a C program to implement bubble sort.
6. Write a C program to calculate standard deviation of 5 numbers.
7. Write a C program to convert a decimal number into it's binary equivalent.
8. Write a C program to split a array in two arrays, where the first array will contain the even position values of the parent array and second array contain the odd position values of the parent array.
9. Write a C program to calculate the number of vowels, number consonants from a giver string. [The string should be user input]
10. Write a C program to determine the number of alphabets, number of digits, number of special characters, number of consonants and number of vowels from a given string. [The string should be user input]