

Assignment -1

1. Write a program to perform the following operations using Java.

Read the count of elements from the user to create the array.

Initialize the array using user input.

Create the functions for the following and call them using a menu based program.

a. Display the array

b. Reverse the array

c. Replace the nth element from the array and print

d. Find the addition of all elements of the array

e. Find the maximum number from the array

f. Print the average of all the elements from the array.

g. Display the even and odd number from the array separately.

2. Write a program to perform the following operations using Java.(use Interfaces)

Read the count of elements from the user to create the stack using an array.

Create the class and functions for the following and call them using a menu based program.

a. Display the stack

b. Push the data on the stack

- c. Pop the data from the stack
- d. Check how many elements are there on the stack.
- e. Check to see if the stack is full?
- f. Check to see if the stack is empty.

3. Find the Maximum and minimum element in an array.

4. Write a Java program to print all elements of an integer

Array.

5. Write a Java Program to implement the conversion of infix expression to postfix expression.