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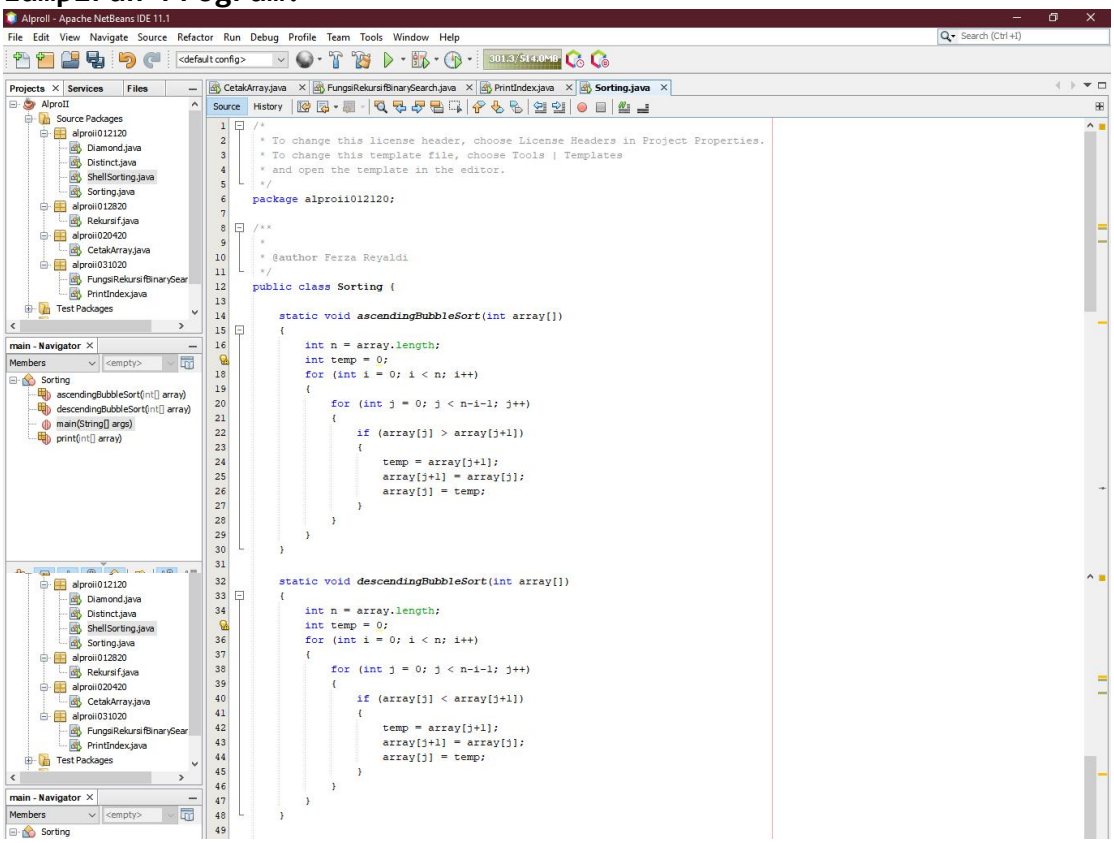
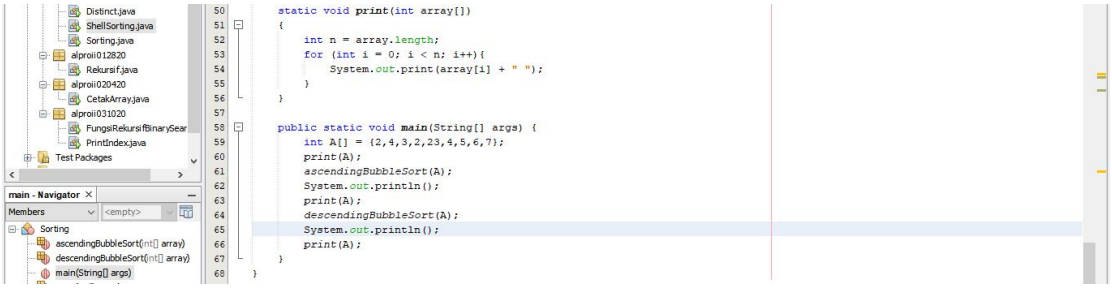
Bubble Sort

```
/*
 * To change this license header, choose License Headers in Project
Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package alproii012120;

/**
 *
 * @author Ferza Reyaldi
 */
public class Sorting {

    static void ascendingBubbleSort(int array[])
    {
        int n = array.length;
        int temp = 0;
        for (int i = 0; i < n; i++)
        {
            for (int j = 0; j < n-i-1; j++)
            {
                if (array[j] > array[j+1])
                {
                    temp = array[j+1];
                    array[j+1] = array[j];
                    array[j] = temp;
                }
            }
        }
    }

    static void descendingBubbleSort(int array[])
    {
        int n = array.length;
        int temp = 0;
        for (int i = 0; i < n; i++)
        {
            for (int j = 0; j < n-i-1; j++)
            {
                if (array[j] < array[j+1])
                {
                    temp = array[j+1];
                    array[j+1] = array[j];
```

```
                    array[j] = temp;
                }
            }
        }
    }

    static void print(int array[])
    {
        int n = array.length;
        for (int i = 0; i < n; i++){
            System.out.print(array[i] + " ");
        }
    }

    public static void main(String[] args) {
        int A[] = {2,4,3,2,23,4,5,6,7};
        print(A);
        ascendingBubbleSort(A);
        System.out.println();
        print(A);
        descendingBubbleSort(A);
        System.out.println();
        print(A);
    }
}
```

Lampiran Program:





Output Program: