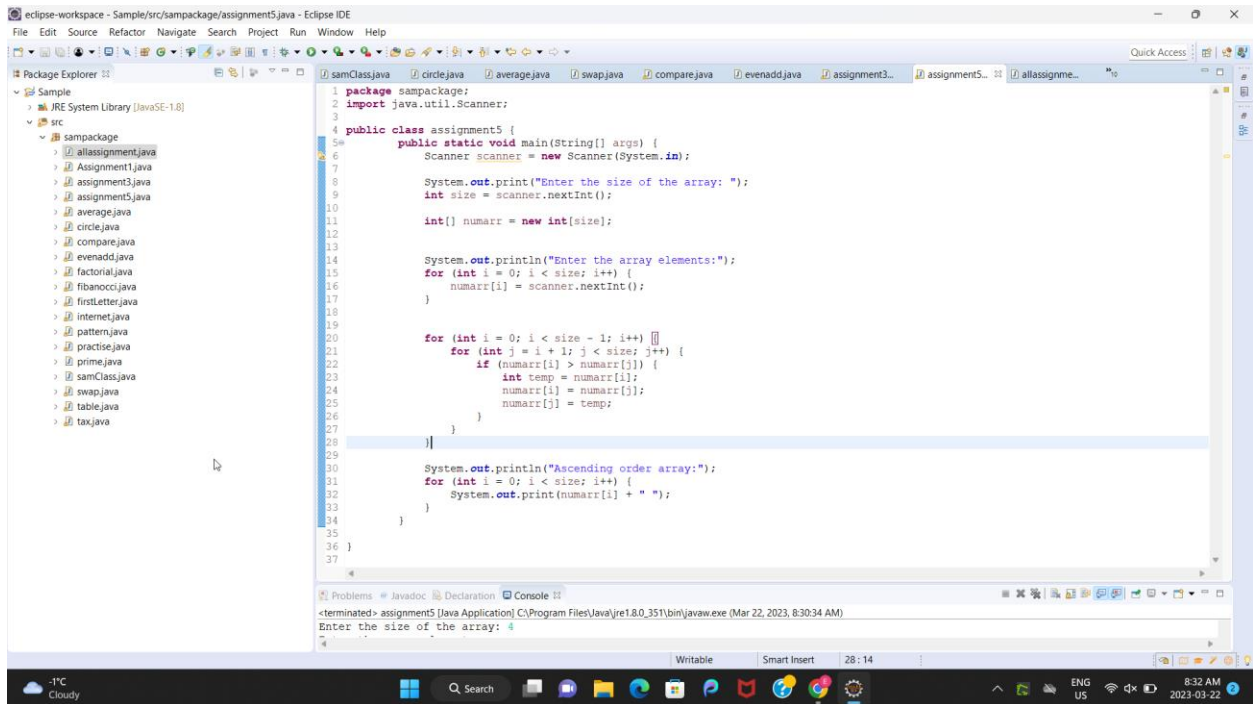# Assignment-5 | C0873610 | Elwin Paulson
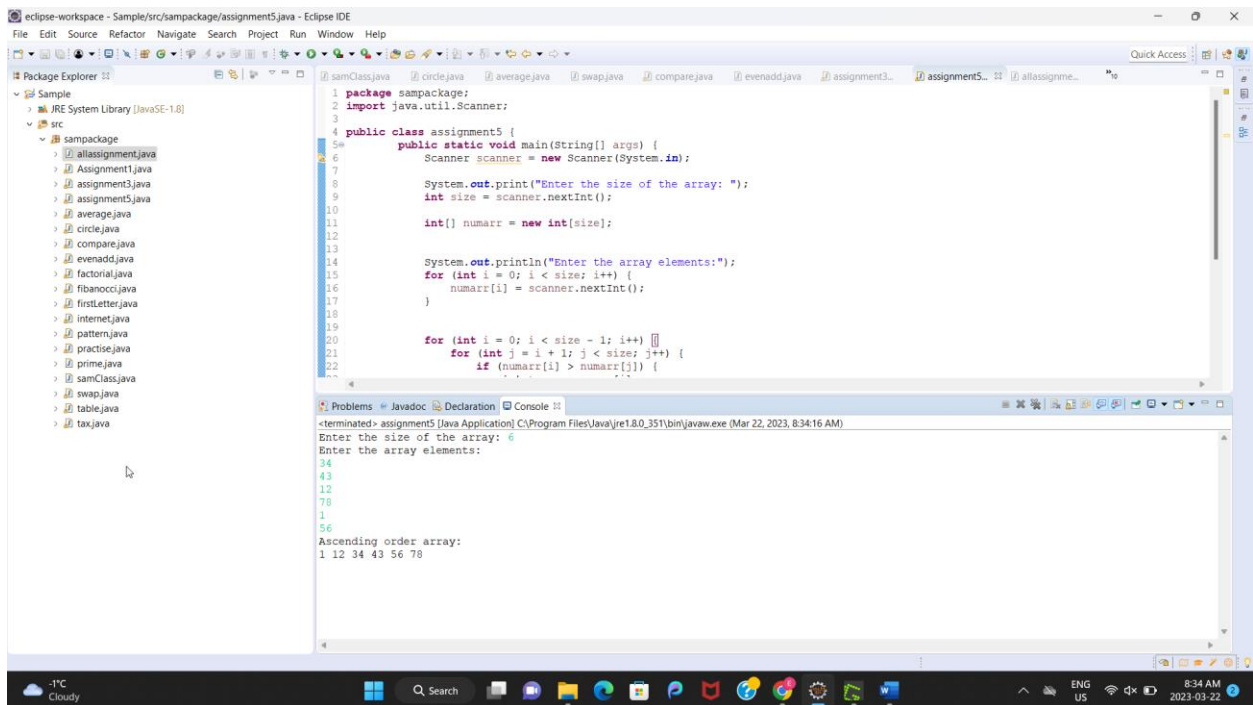
1.

2.


```java
package sampackage;
import java.util.Scanner;

public class assignment5 {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter the number of terms: ");
        int size = scanner.nextInt();

        int[] fibarr = new int[size];

        fibarr[0] = 0;
        fibarr[1] = 1;
        for (int i = 2; i < size; i++) {
            fibarr[i] = fibarr[i-1] + fibarr[i-2];
        }
        System.out.print("fibonacci series: ");
        for (int i = 0; i < size; i++) {
            System.out.print(fibarr[i] + " ");
        }

        int sum = 0;
        for (int i = 0; i < size; i++) {
            sum += fibarr[i];
        }

        System.out.println("\nSum of fibonacci series: " + sum);
    }

}
```

Console output:

```
Enter the number of terms: 9
fibonacci series: 0 1 1 2 3 5 8 13 21
Sum of fibonacci series: 54
```