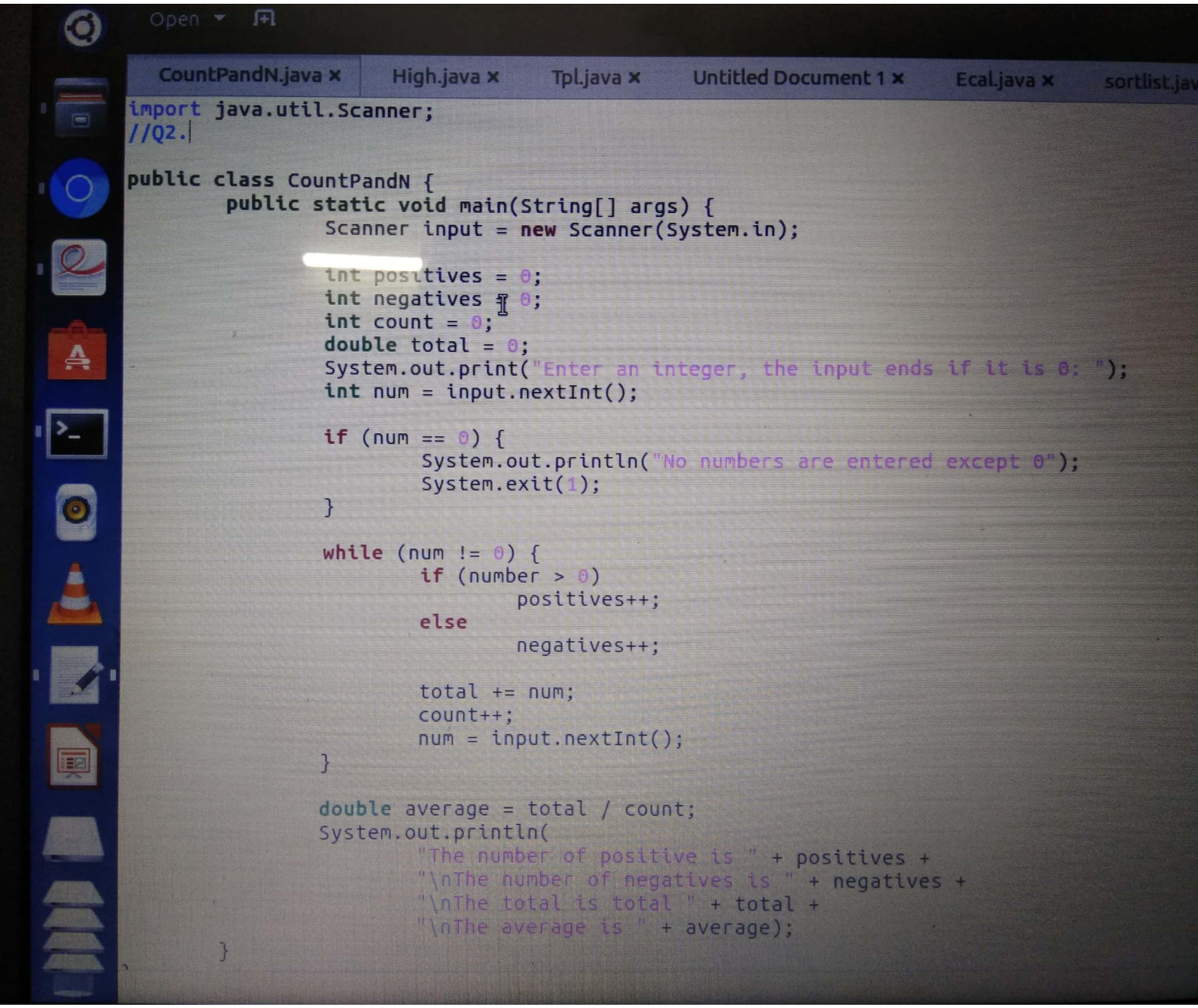
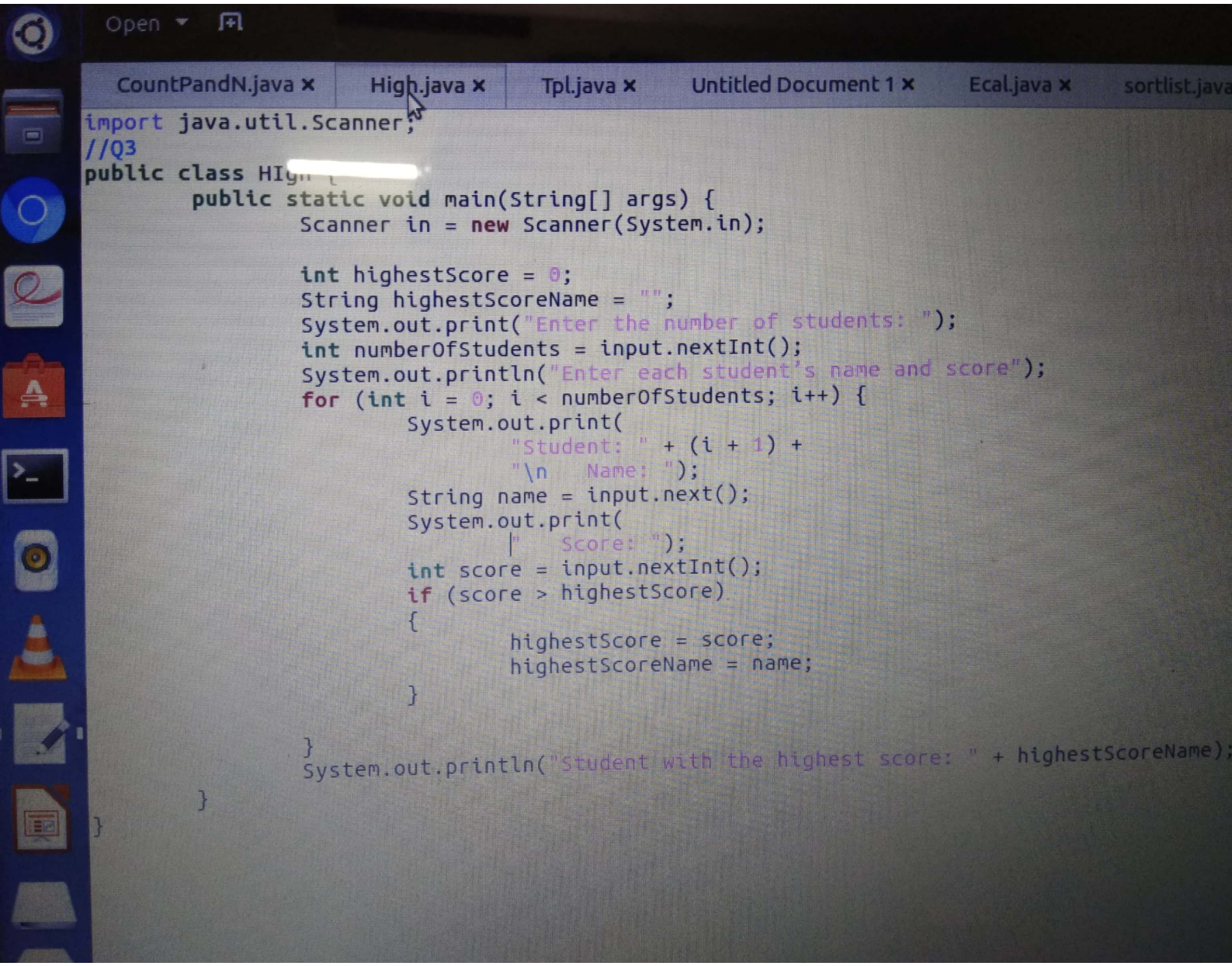
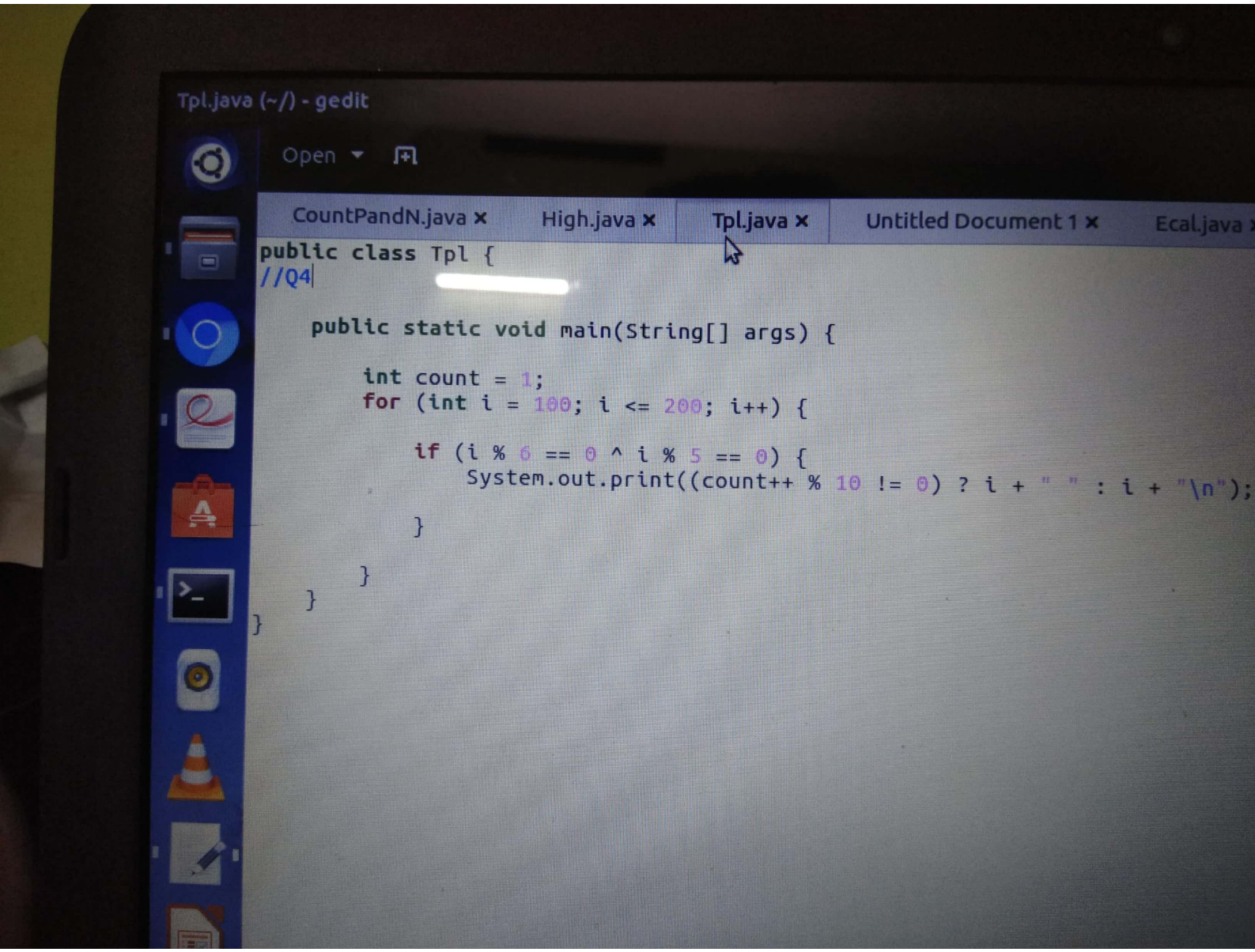
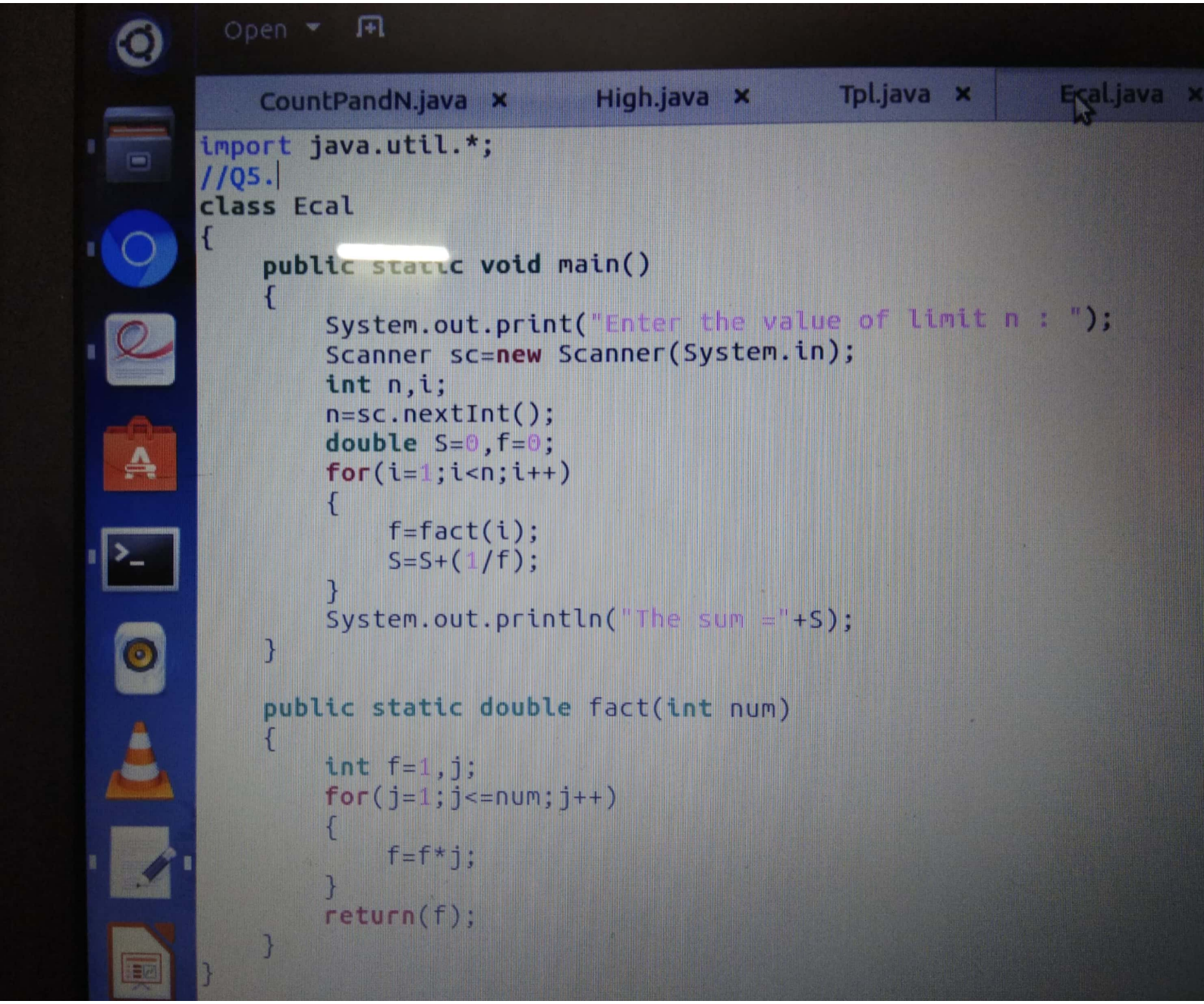
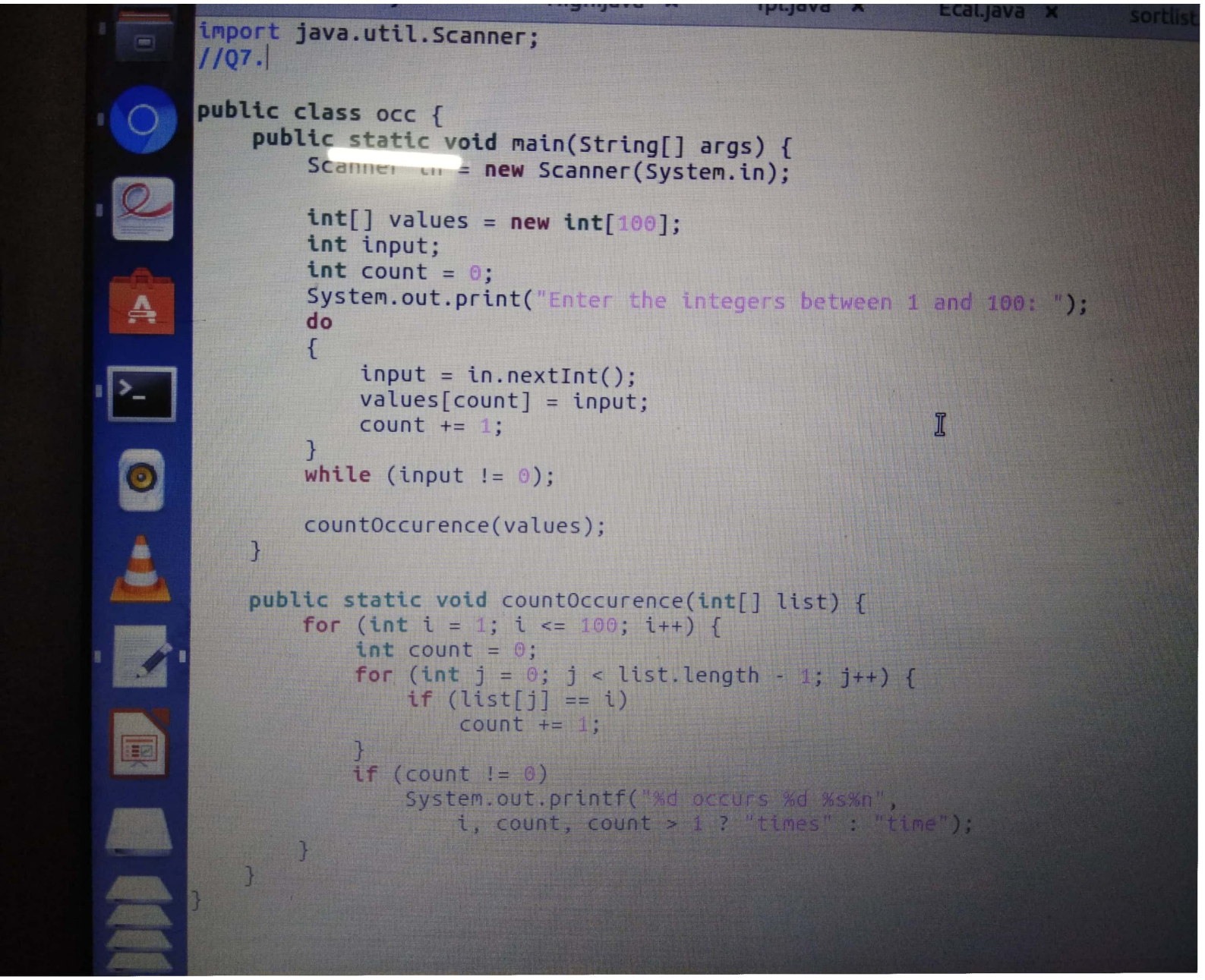


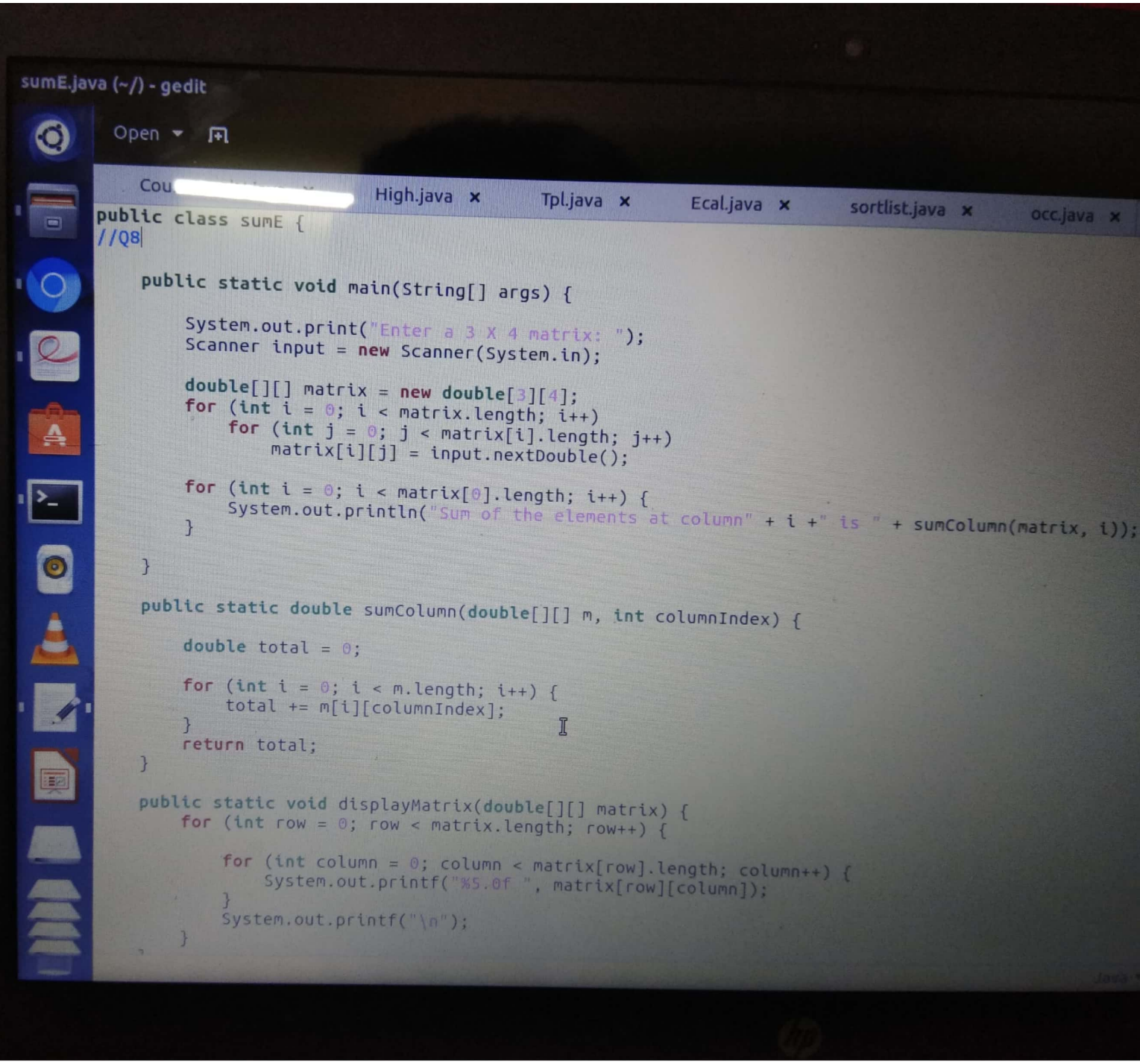


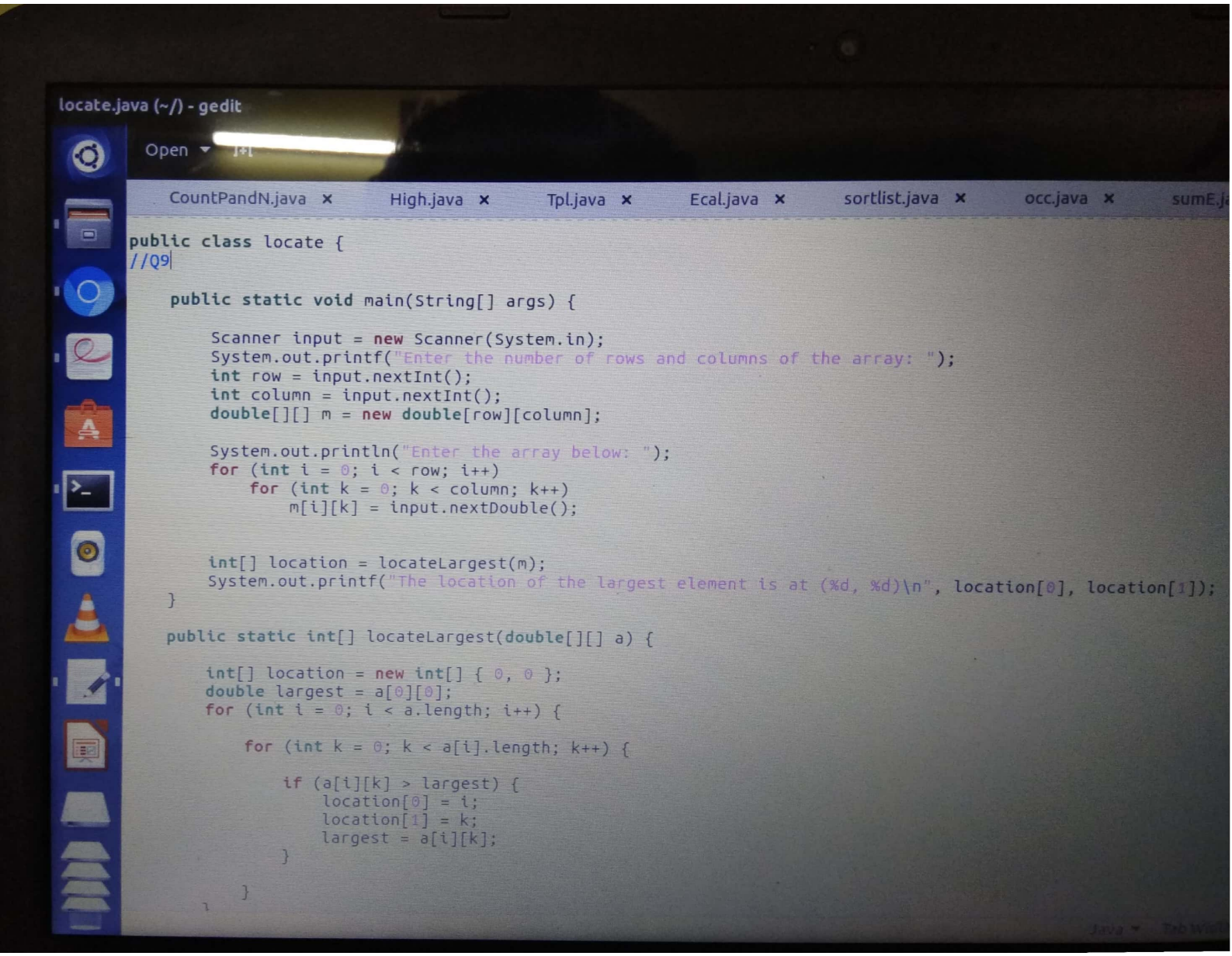


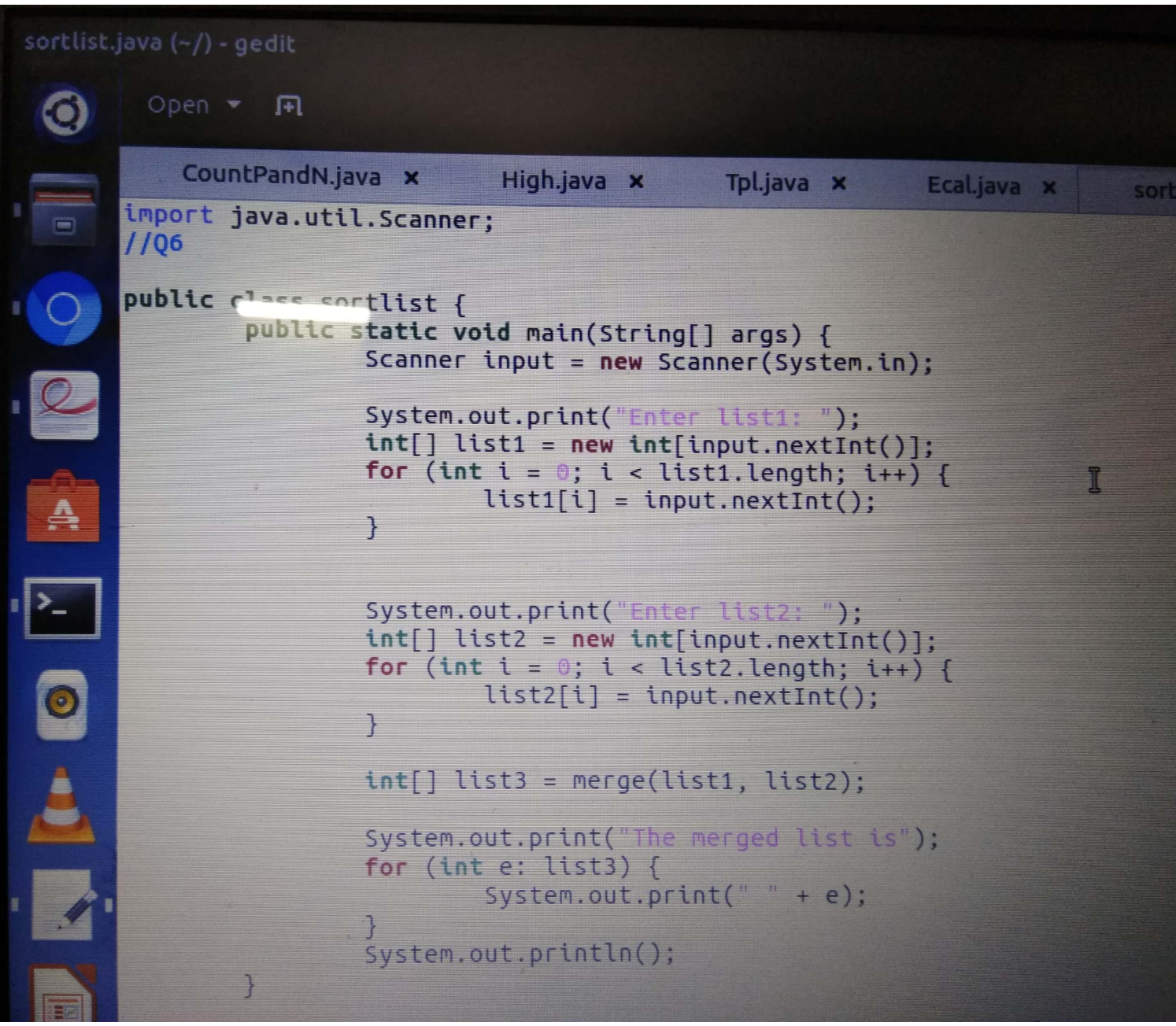


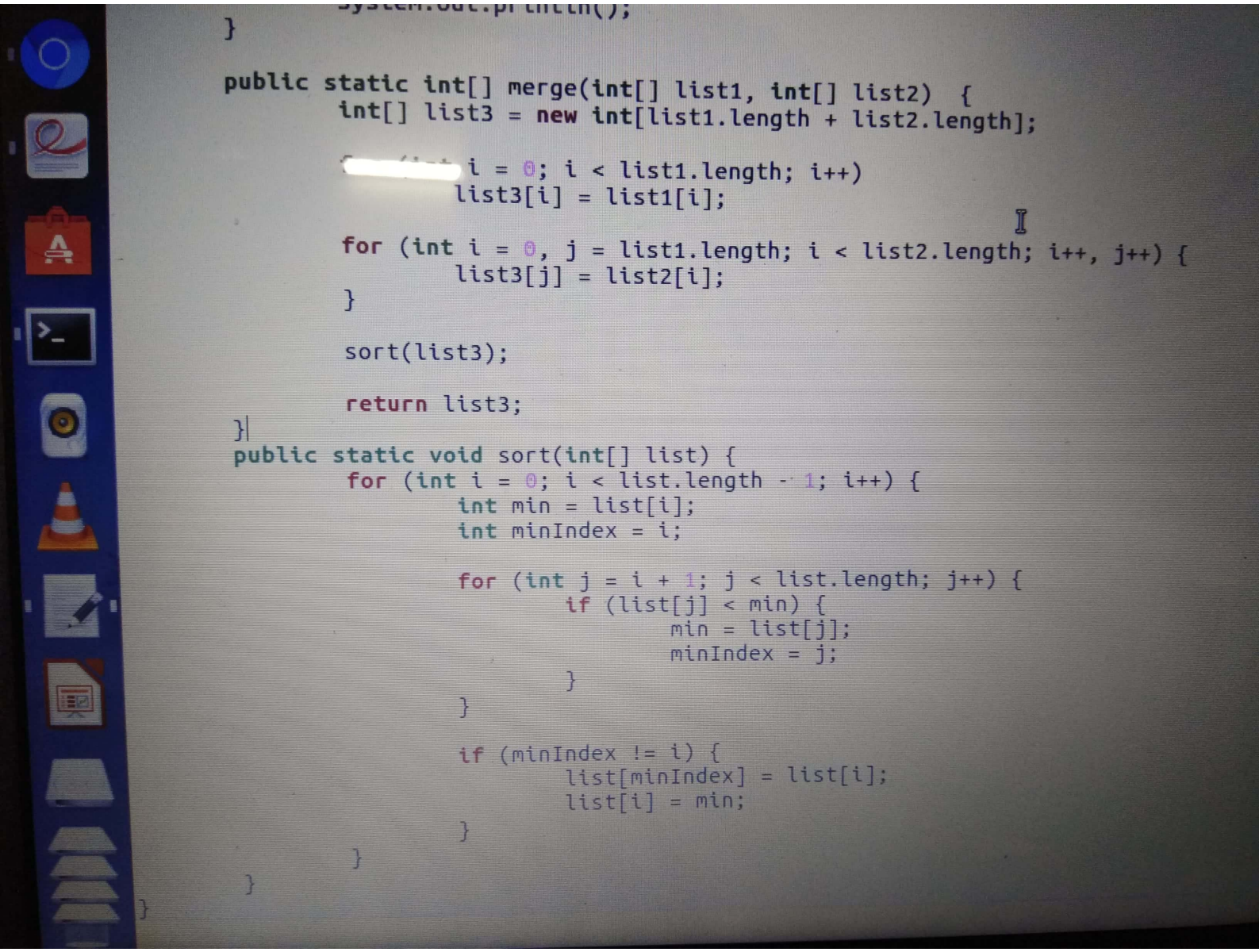


```java
import java.util.Scanner;
//Q7.

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

        int[] values = new int[100];
        int input;
        int count = 0;
        System.out.print("Enter the integers between 1 and 100: ");
        do
        {
            input = in.nextInt();
            values[count] = input;
            count += 1;
        }
        while (input != 0);

        countOccurence(values);
    }

    public static void countOccurence(int[] list) {
        for (int i = 1; i <= 100; i++) {
            int count = 0;
            for (int j = 0; j < list.length - 1; j++) {
                if (list[j] == i)
                    count += 1;
            }
            if (count != 0)
                System.out.printf("%d occurs %d %s%n",
                    i, count, count > 1 ? "times" : "time");
        }
    }
}
```









```
        System.out.println();
    }

    public static int[] merge(int[] list1, int[] list2)  {
        int[] list3 = new int[list1.length + list2.length];

        for (int i = 0; i < list1.length; i++)
            list3[i] = list1[i];

        for (int i = 0, j = list1.length; i < list2.length; i++, j++) {
            list3[j] = list2[i];
        }

        sort(list3);

        return list3;
    }
    public static void sort(int[] list) {
        for (int i = 0; i < list.length - 1; i++) {
            int min = list[i];
            int minIndex = i;

            for (int j = i + 1; j < list.length; j++) {
                if (list[j] < min) {
                    min = list[j];
                    minIndex = j;
                }
            }

            if (minIndex != i) {
                list[minIndex] = list[i];
                list[i] = min;
            }
        }
    }
}
```