



Computer Technology I

Lab. 1 : How to use the PORTs, Digital input/output, Subroutine call



Author:

Supervisor:

Semester: Autumn 2019

Area: Computer Science

Course code: 1DT301

Contents

1 Task 1

```
import java.util.Scanner;

public class CountA {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        //Ask for a line of text
        System.out.print("Provide a line of text : ");
        String text = sc.nextLine();
        sc.close();
        //System.out.print(text);

        //How many 'a' and 'A' the text contains
        char letter = 'a';
        char letA = 'A';

        int count = 0;
        int count2 = 0;

        for (int i=0;i<text.length();i++) {

            if(text.charAt(i) == letter) {
                count++;
            }
            else if (text.charAt(i)==letA) {
                count2++;
            }

        }
        System.out.println("Number of \'a\' : " +count);
        System.out.println("Number of \'A\' : " +count2);
    }
}
```

2 Task 2

3 Task 3

4 Task 4

5 Task 5

6 Task 6