**Java Lab Practice – {3}**

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3-MCA B

**CODE :**

import java.util.\*;

public class practicelab3 {

    public static void main(String[] args) {

    //Scanner sc = new Scanner(System.in);

    text t1 = new text();

    t1.readtext();

    t1.charAt(5);

    t1.length();

    t1.noOfWhiteSpace();

    t1.noOfWords();

    t1.repeatedWords();

    t1.pascalCase();

}}

class text  {

    Scanner sc = new Scanner(System.in);

    String txt;

    void readtext(){

    System.out.println("Enter any paragraph");

    txt= sc.nextLine();              //reads string

  System.out.println("The paragraph you entered is "+ txt);

    }

    // text(){System.out.println("Calling from constructor " + txt);}

    public char charAt(int i){

        return txt.charAt(i);

    }

    public int length(){

        int count=0;

        for     (char c: txt.toCharArray()){

            count ++;

        }

        System.out.println( "The count is " + count);

        return count;

    }

    public int noOfWhiteSpace() {

        int count = 0;

        for (char c : txt.toCharArray()) {

            if (c == ' ' || c == '\t') {

                count++;

            }

        }

        System.out.println( "The count of white spaces " + count);

        return count;

    }

    public int noOfWords() {

        int count = 0;

        for (char c : txt.toCharArray()) {

            if (c == ' ' || c == '\t') {

                count++;

            }

        }

        System.out.println( "The count of words are " + (count + 1));

        return count;

    }

public void repeatedWords() {

    String[] words = txt.split("[ \t]+");

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

        for (int j = i + 1; j < words.length; j++) {

            if (words[i].equals(words[j])) {

                System.out.println("Repeated word: " + words[i]);

                break;

            }

        }

    }

}

public void pascalCase() {

    String[] words = txt.split("[ \t]+");

    StringBuilder sb = new StringBuilder();

    for (String word : words) {

        if (word.length() > 0) {

            sb.append(Character.toUpperCase(word.charAt(0)));

            sb.append(word.substring(1).toLowerCase());

        }

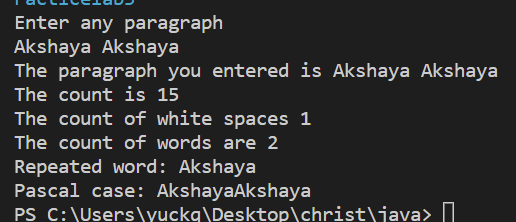
    }

    System.out.println("Pascal case: " + sb.toString());

}

}

**OUTPUT :**

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