Object Oriented Programming in JAVA

Practical No. : - 5

Q.5] Write a JAVA program to perform String operations using String/ String Buffer class.

a) Write a program that reads a word and then prints the first character, the last character, and the characters in the middle. For example, if the input is GCOEN, the program prints G N COE.

b) Write a program that reads a name (such as Ranbir Rishi Kapoor) and then prints a monogram consisting of the initial letters of the first, middle, and last name (such as RRK).

Code:-

```java
package com.Mars.abhishek;

import java.util.Scanner;

public class Main {

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

        //            A PART

        System.out.println("1st part" + '\n');
        System.out.println("Enter a string: ");
        String str = sc.nextLine();
        System.out.println(str.charAt(0) + " " +
str.charAt(str.length() -1) + " " + str.substring(1,str.length() -1));


        //            B PART

        System.out.println('\n' + "2nd part" + '\n');
        System.out.println("Enter a full name: ");
        String name = sc.nextLine();

        String b[] = name.split(" ");
        for (String a : b) {
            System.out.print(a.charAt(0) + " ");
        }

    }
}
```

OUTPUT :-

```
"C:\Program Files\Java\jdk1.8.0_212\bin\java" ...
1st part

Enter a string:
INDIA
I A NDI


2nd part

Enter a full name:
NARENDRA DAMODARDAS MODI
N D M
Process finished with exit code 0
```