Day-12 JA111 Assignment

Q1) User will enter a paragraph, you will have to find number of times "Java"(case insensitive) has occurred and at what index?

Ex-Paragraph supplied by user-

Java is a high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible. It is a general-purpose programming language intended to let programmers *write once, run anywhere* (WORA),
meaning that compiled Java code can run on all platforms that support Java without the need to recompile. Java applications are typically compiled to bytecode that can run on any Java virtual machine (JVM) regardless of the underlying computer architecture. The syntax of Java is similar to C and C++, but has fewer low-level facilities than either of them. The Java runtime provides dynamic capabilities (such as reflection and runtime code modification) that are typically not available in traditional compiled languages. As of 2019, Java was one of the most popular programming languages in use according to GitHub, particularly for client–server web applications, with a reported 9 million developers.

Sample output-

```
0------4------Java
X1------X2------Java
Y1------Y2------Java
.
.
.
Z1——----Z2——----Java
The no of occurrences: z
```

Q2) Create a Citizen bean class with the following fields:

    name: String
    aadharNumber: String
    mobileNumber: String

    Create a Demo class with following methods:
    public static void main(String[] args);
    public boolean validate(String name, String mobileNum, String aadharCard);

    Make sure that to perform the following input validations inside validate() method:

    name: should contain only alphabets and length should be min 3 and max 8 characters.
    aadharNumber: should be numeric and also of length 12.
    mobileNumber: should be an Indian mobile number starting with 6,7,8,9 and the length should be 10.

    Take the input from the user and create an object of the Citizen with all the details.

If all input fields are valid then only create an object of Citizen and print all the details from the Citizen object.
otherwise, print the appropriate validation error message.