Write a program that finds whether a given character is present in a string or not. In case it is present it prints the index at which it is present. Do not use built-in find functions to search the character.

CODE:

import java.util.Scanner;

public class FindCharacterInString {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input

System.out.print("Enter the string: ");

String inputString = scanner.nextLine();

System.out.print("Enter the character to be searched: ");

char targetChar = scanner.next().charAt(0);

// Find and print the index

int charIndex = findCharacterIndex(inputString, targetChar);

if (charIndex != -1) {

System.out.println(targetChar + " is found in the string at index: " + charIndex);

} else {

System.out.println(targetChar + " is not present in the string.");

}

scanner.close();

}

private static int findCharacterIndex(String input, char target) {

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

if (input.charAt(i) == target) {

return i;

}

}

// If the character is not found, return -1

return -1;

}

}

OUTPUT:

C:\javap>javac FindCharacterInString.java

C:\javap>java FindCharacterInString

Enter the string: Namaste

Enter the character to be searched: a

a is found in the string at index: 1

