

## PROBLEM STATEMENT:

The problem statement is about rotate a string left by K Positions.

Question:

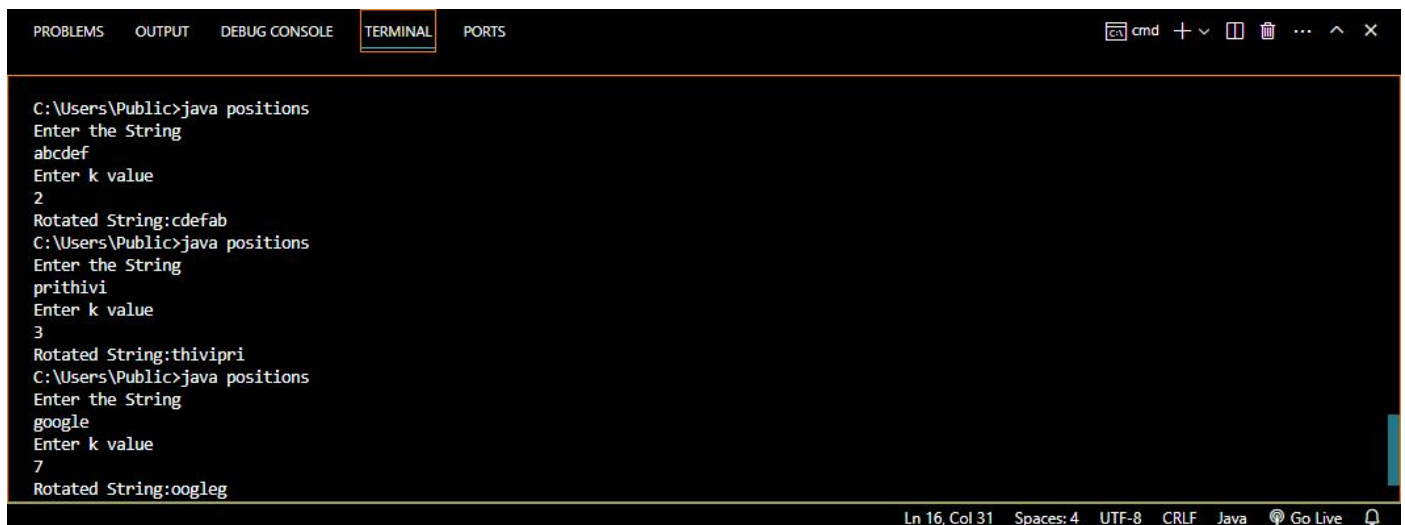
Write a program to rotate a given string s left by k positions without using any built-in string functions.

For example, rotating "abcdef" by 2 would give "cdefab".

## SOLUTION(CODE):

```
import java.util.*;
public class positions
{
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the String");
        String str = sc.nextLine();
        System.out.println("Enter k value");
        int k = sc.nextInt();
        int n = str.length();
        k = k % n;
        String left = "";
        for(int i=0;i<n;i++)
        {
            int j = (i+k) % n;
            left += str.charAt(j);
        }
        System.out.print("Rotated String:"+left);
    }
}
```

## OUTPUT(SCREENSHOT):



The screenshot shows a Java IDE with the 'TERMINAL' tab selected. The terminal displays the execution of the 'positions' program. It shows three separate runs where a string is entered, a rotation value 'k' is entered, and the resulting rotated string is printed. The first run uses 'abcdef' and 2, resulting in 'cdefab'. The second run uses 'prithivi' and 3, resulting in 'thivipri'. The third run uses 'google' and 7, resulting in 'oogleg'. The IDE interface includes tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, and PORTS, along with a status bar at the bottom showing 'Ln 16, Col 31', 'Spaces: 4', 'UTF-8', 'CRLF', 'Java', and 'Go Live'.

```
C:\Users\Public>java positions
Enter the String
abcdef
Enter k value
2
Rotated String:cdefab
C:\Users\Public>java positions
Enter the String
prithivi
Enter k value
3
Rotated String:thivipri
C:\Users\Public>java positions
Enter the String
google
Enter k value
7
Rotated String:oogleg
```