

ROTATE A STRING BY K POSITION

PROGRAM:

```
import java.util.Scanner;

public class Main {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        String input = sc.nextLine();

        int k = sc.nextInt();

        String rotString = rotL(input, k);

        System.out.println("Rot String: " + rotString);

    }

    public static String rotL(String s, int k) {

        int n = s.length();

        k = k % n;

        char[] result = new char[n];

        for (int i = 0; i < n; i++) {

            result[i] = s.charAt((i + k) % n);

        }

        StringBuilder rot = new StringBuilder();

        for (char c : result) {

            rot.append(c);

        }

        return rot.toString();

    }

}
```

OUTPUT:

```
C:\Users\ELCOT\OneDrive\Documents>javac Main.java
C:\Users\ELCOT\OneDrive\Documents>java Main
abcdef
2
Rot String: cdefab
C:\Users\ELCOT\OneDrive\Documents>javac Main.java
C:\Users\ELCOT\OneDrive\Documents>java Main
krish
3
Rot String: shkri
C:\Users\ELCOT\OneDrive\Documents>java Main
```