

HATFD1010

Rotate a String Left by K Positions

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".

Instructions: Do not use built-in rotation or substring functions. Implement the logic manually.

Program: java

```
import java.util.*;
public class ques {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        String s=sc.nextLine();
        int k=sc.nextInt();
        int n=s.length();
        k=k%n;
        char[] arr=new char[n];

        for(int i=0;i<n;i++){
            arr[i]=s.charAt((i+k)%n);
        }
        for(int i=0;i<n;i++){
            System.out.print(arr[i]);
        }

    }
}
```

Output:

Sample testcase 1:

Input: abcdef

K=2

Output:cdefab

Sample testcase 2:

Input: yeifhrh

k=4

Output:hrhyeif

Sample testcase 3:

Input: Technology

K=8

Output: gytechnolo