Rotate a String Left by K Positions

Problem Statement:

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 places would give "cdefab"

Program Code:

typescript

```typescript
import * as readline from 'readline';

const rl = readline.createInterface({
    input: process.stdin,
    output: process.stdout
});

rl.question("Enter the string: ", (s: string) => {
    rl.question("Enter the number of positions to rotate: ", (kInput:
string) => {
        const k = parseInt(kInput);
        console.log(swapKplacesLeft(s.split(""), k).join(""));
        rl.close();
    });
});

function swapKplacesLeft(arr: string[], k: number): string[] {
    rev(arr, 0, k - 1);
    rev(arr, k, arr.length - 1);
    rev(arr, 0, arr.length - 1);
    return arr;}
```

```
function rev(arr: string[], start: number, end: number): void {
while (start <= end) {
const temp = arr[start];
arr[start] = arr[end];
arr[end] = temp;
start++;
end--;
    }
}
```

Sample Inputs and Outputs:

1)Input String: aeiou, **k:** 2
Output:
   iouae

2)Input String: hello, **k:** 3
Output:
   lohel

3)Input String: acdfgh, **k:** 4
Output:
   ghacdf

```
Enter the string: aeiou
Enter the number of positions to rotate: 2
iouae

C:\Users\PRANAV S\Desktop\task>node Task1.js
Enter the string: hello
Enter the number of positions to rotate: 3
lohel

C:\Users\PRANAV S\Desktop\task>node Task1.js
Enter the string: acdfgh
Enter the number of positions to rotate: 4
ghacdf
```