1.Rotate an Array Right by K Positions

Write a program to rotate an array right by k positions without using any built-in array or rotation

functions. For example, rotating [1, 2, 3, 4, 5] by 2 would give [4, 5, 1, 2, 3].

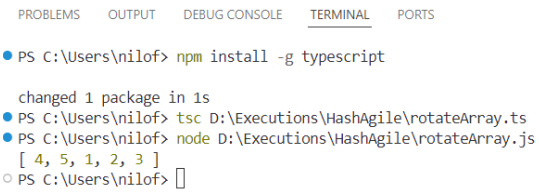
Instructions: You should implement the logic manually for rotating the array.

```
function rotateArrayRight(arr: number[], k: number): number[] {
  const s = arr.length;
  if (s === 0) return arr;
  k = k % s;
  const reverse  = (start: number, end: number) => {
    while (start < end) {
      const temp = arr[start];
      arr[start] = arr[end];
      arr[end] = temp;
      start++;
      end--;
    }

  };
  reverse(0, s - 1);
  reverse(0, k - 1);
  reverse(k, s - 1);
return arr;  }
const array = [1, 2, 3, 4, 5];
const k = 2;
```

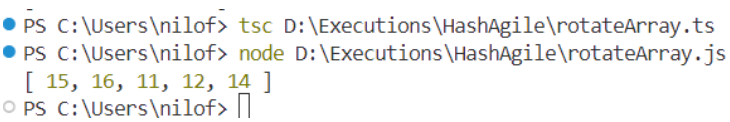
```
const rotatedArray = rotateArrayRight(array, k);

console.log(rotatedArray);
```

Output

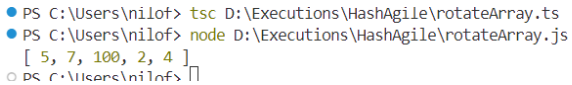
1.array=[1,2,3,4,5]



2.array=[11,12,14,15,16]



3.array=[100,2,4,5,7]



4.array=[9,1,2,5,7]