

Problem statement:

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.

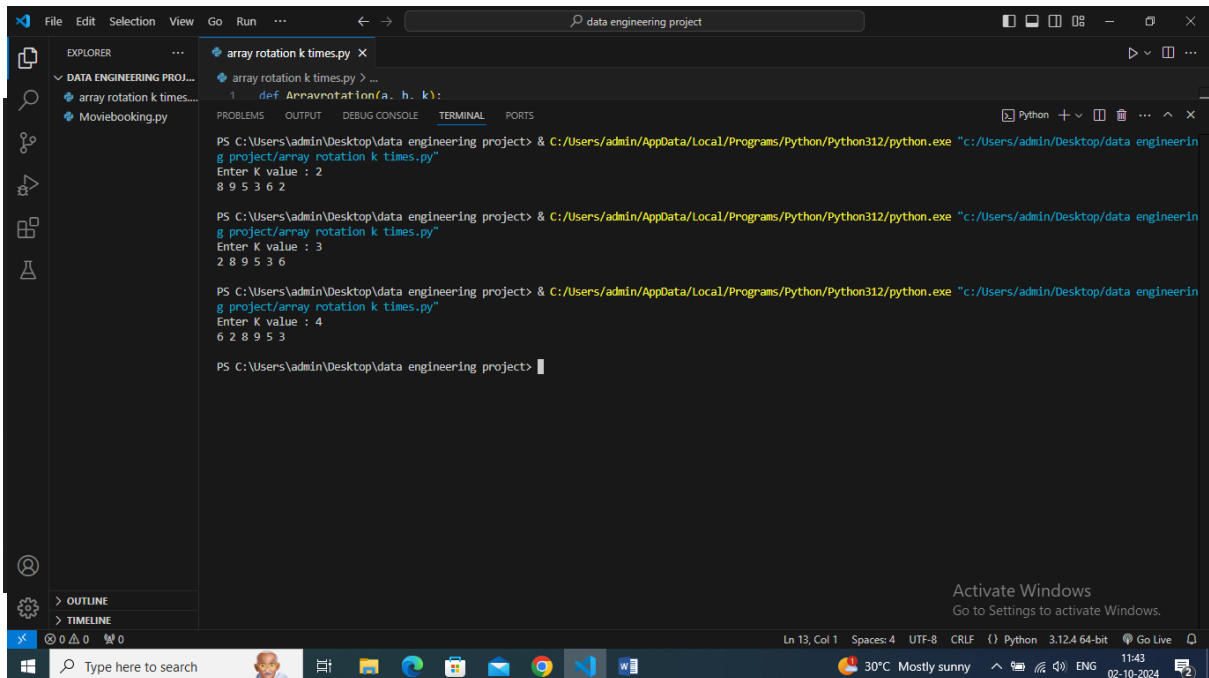
Input :

```
1 def Arrayrotation(a, b, k):
2     k = k % b
3     for i in range(0, b):
4         if(i < k):
5             print(a[b + i - k], end = " ")
6         else:
7             print(a[i - k], end = " ")
8     print("\n")
9
10 Array = [5,3,6,2,8,9]
11 N = len(Array)
12 K = int(input("Enter K value : "))
13 Arrayrotation(Array, N, K)
```

Activate Windows
Go to Settings to activate Windows.

Ln 13, Col 1 Spaces: 4 UTF-8 CRLF Python 3.12.4 64-bit Go Live 11:34 02-10-2024

Code:



The screenshot shows the Visual Studio Code interface with a file named `array rotation k times.py` open. The code defines a function `Arrayrotation(a, b, k):`. The terminal window shows the execution of the script for three different values of `k`:

```
PS C:\Users\admin\Desktop\data engineering project> & C:/Users/admin/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/admin/Desktop/data engineering project/array rotation k times.py"
Enter K value : 2
8 9 5 3 6 2

PS C:\Users\admin\Desktop\data engineering project> & C:/Users/admin/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/admin/Desktop/data engineering project/array rotation k times.py"
Enter K value : 3
2 8 9 5 3 6

PS C:\Users\admin\Desktop\data engineering project> & C:/Users/admin/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/admin/Desktop/data engineering project/array rotation k times.py"
Enter K value : 4
6 2 8 9 5 3

PS C:\Users\admin\Desktop\data engineering project>
```

Output:

1)Sample Output:

Enter K value : 4

6 2 8 9 5 3

2)Sample Output:

Enter K value : 3

2 8 9 5 3 6

3)sample Output

Enter K value : 2

8 9 5 3 6 2