**Rotate and Sum**

To “**rotate** an array on the right” means to move its last element first: {1, 2, 3} {3, 1, 2}.

Write a program to read an array of **n** **integers** (space separated on a single line) and an integer **k**, rotate the array right **k** **times** and sum the obtained arrays after each rotation as shown below.

**Examples**

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 3 2 4 -1  2 | 3 2 5 6 | rotated1[] = -1 3 2 4  rotated2[] = 4 -1 3 2  sum[] = 3 2 5 6 |
| 1 2 3  1 | 4 3 5 | rotated1[] = 3 1 2  sum[] = 4 3 5 |
| 1 2 3 4 5  3 | 12 10 8 6 9 | rotated1[] = 5 1 2 3 4  rotated2[] = 4 5 1 2 3  rotated3[] = 3 4 5 1 2  sum[] = 12 10 8 6 9 |