# 2XC3 Major Lab 4

**Task 1:**

```
[andradk@moore ~] ./mprog3
incorrect number of command line arguments
usage: mprog3 <size> <rotation>
[andradk@moore ~] ./mprog3 30 -5
incorrect length 30
[andradk@moore ~] ./mprog3 6 -3
creating array of size 6, rotating it left by 3 positions
28 93 28 69 25 60
69 25 60 28 93 28
[andradk@moore ~] ./mprog3 7 2
creating array of size 7, rotating it right by 2 positions
94 93 12 81 60 31 56
31 56 94 93 12 81 60
```

When r=0, no rotation occurs since r is not <0 or >0 as specified in the instructions. You can see the array stays the same before and after calling rot_arr() as it does not rotate.

```
[andradk@moore ~] ./mprog3 4 0
creating array of size 4, no rotation
34 89 87 69
34 89 87 69
```

**Task 2:**

```
[andradk@moore ~] ./Prog_Power
Please enter the base: 2.5
Please enter a non-negative integer exponent: 3
2.500000 raised to the power 3 is 15.625000
[andradk@moore ~] ./Prog_Power
Please enter the base: 4.5
Please enter a non-negative integer exponent: 4
4.500000 raised to the power 4 is 410.062500
```