```
STUDENT@MIT-ICT-LAB5-37:~/Documents/230905252/Lab3$ mpicc -o exe/q1
q1_factorialsum.c
STUDENT@MIT-ICT-LAB5-37:~/Documents/230905252/Lab3$ mpicc -o exe/q2 q2_average.c
STUDENT@MIT-ICT-LAB5-37:~/Documents/230905252/Lab3$ mpicc -o exe/q3 q3_non-
vowels.c
STUDENT@MIT-ICT-LAB5-37:~/Documents/230905252/Lab3$ mpicc -o exe/q4
q4_alternate.c
STUDENT@MIT-ICT-LAB5-37:~/Documents/230905252/Lab3$ mpicc -o exe/q5
q5_exponent.c -lm
STUDENT@MIT-ICT-LAB5-37:~/Documents/230905252/Lab3$ mpicc -o exe/q6 q6_oddeven.c
STUDENT@MIT-ICT-LAB5-37:~/Documents/230905252/Lab3$ mpirun -n 3 exe/q1
Enter 3 numbers: 2 3 4
[0] Received: 2
[1] Received: 3
[2] Received: 4
[0] The sum of factorials is: 32
STUDENT@MIT-ICT-LAB5-37:~/Documents/230905252/Lab3$ mpirun -n 3 exe/q2
Enter value of 'M': 2
Enter 6 numbers: 2 4 6 8 10 12
[0] Received: 2 4
[1] Received: 6 8 [2] Received: 10 12

[0] The average is: 7.000
STUDENT@MIT-ICT-LAB5-37:~/Documents/230905252/Lab3$ mpirun -n 3 exe/q3
Enter string: stringlength
[0] Received: stri
[0] Non-vowel count for process 0: 3
[0] Non-vowel count for process 1: 3
[0] Non-vowel count for process 2: 4
[0] Total non-vowel count is: 10
[1] Received: ngle
[2] Received: ngth
STUDENT@MIT-ICT-LAB5-37:~/Documents/230905252/Lab3$ mpirun -n 3 exe/q4
Enter String 1: string
Enter String 2: length
[0] Alternated Result: slternigntgh
STUDENT@MIT-ICT-LAB5-37:~/Documents/230905252/Lab3$ mpirun -n 3 exe/q5
Enter value of M: 3
Enter 9 numbers: 1 2 3 1 2 3 1 2 3
[0] Edited array: 1 4 9 1 8 27 1 16 81
STUDENT@MIT-ICT-LAB5-37:~/Documents/230905252/Lab3$ mpirun -n 3 exe/q6
Enter value of M: 3
Enter 9 numbers: 1 2 3 4 5 6 7 8 9
[0] Resultant array: 0 1 0 1 0 1 0 1 0
[0] Even count: 4
[0] Odd count: 5
```