

Assignment 3

- 1- Calculate Average of Numbers Using Arrays (assume size =10)
For example 2 4 5 6 7 8 9 10 11 12
Output 7.4
- 2- Calculate factorial for all numbers in array (size = 10)
For example: 1, 2, 3, 4, 5, 6, 7, 3, 4, 2
Output: 1, 2, 6, 24, 120, 720, 5040, 6, 24, 2
- 3- Take array then print number from array which all other numbers can divide by it.
For example 2, 6, 8,6,4,10,12,14,16,20
Print 2
Other example 3, 7, 8, 6, 4, 10, 14, 17, 12, 20
Output there is no number
- 4- Reverse array in another array
For example 2,4,8,6,11
Print 11,6,8,4,2
- 5- Take matrix 3*3 from user then print average
For example
1 2 3
4 5 6
7 8 9
Output 5.0
- 6- Add two matrix 3*3
For example
1 2 3 1 4 5
0 1 3 + 7 8 9
4 5 6 0 0 0

Output
2 6 8
7 8 12
4 5 6
- 7- Take matrix 3*3 then replace all number less than zero by zero
For example
-1 2 -3
-5 -4 1
1 0 -3

Output

0 2 0

0 0 1

1 0 0

8- Take matrix 3*3 then reverse it

For example

1 2 3

4 5 6

7 8 9

Output

9 8 7

6 5 4

3 2 1