

1. Create a function that takes two numbers as arguments and returns their sum.
2. Write a function that takes an integer minutes and converts it to seconds.
3. Create a function that takes two arguments. Both arguments are integers, a and b. Return true if one of them is 10 or if their sum is 10.
4. Create a function that takes two strings as arguments and returns either true or false depending on whether the total number of characters in the first string is equal to the total number of characters in the second string.
5. Create a function that takes an array of numbers and returns the **largest** number.

Example:

secondLargest([10, 40, 30, 20, 50]) → 50

6. Create a function that takes two strings as arguments and returns the number of times the first character (the single character) is found in the second string.

Example:

charCount("c", "Chamber of secrets") → 1

7. Create a function that takes a string and returns the number (count) of vowels contained within it.

Example:

countVowels("Celebration") → 5

8. Given a string, create a function to reverse the string.

Example:

reverseCase("Happy Birthday") → "yadhtriB yppaH"

9. Write a program that defines a function to multiply an integer by 2. Then, loop from 0 to a given integer n, passing each value to the function and printing the result.

Input: n=5

Output: 2 4 6 8 10

10. Program to find greatest of three numbers

Input: 4 8 2

Output: 8 is greatest

11. Program to find factorial of number.

Input: n=5

Output: 120

12. Calculate the Power of a Number(using loop only).

Input: n=5, p=3

Output: 5 ^ 3 = 125

13. Program to Check Whether a Number is Prime or Not

Input: 9

Output: 9 is not a prime no

14. Program to find a missing number in first n natural numbers

a. Input: n=5(length of array), arr= [5,3,1,4] Output: 2 is missing

15. Program to insert an element in an array at a given index.

Input: [1,2,3,4,5,7,8,9,10] , index=5, number = 6

Output: [1,2,3,4,5,6,7,8,9,10]

16. Count occurrence of number:

- a. Input: [1,6,3,1,5,9,7,2,1,9,3,7,8,9,10] , no_to_find=7
- b. Output: 7 present 2 times.

Medium:

1. Print Pattern using loop.

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
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2. Create a function that takes an array of arrays with numbers. Return a new (single) array with the largest numbers of each.

Example:

findLargestNums([[4, 2, 7, 1], [20, 70, 40, 90], [1, 2, 0]]) → [7, 90, 2]

3. Create a function that takes an array of items, removes all duplicate items and returns a new array in the same sequential order as the old array (minus duplicates).

Example:

removeDups([1, 0, 1, 0]) → [1, 0]

removeDups(["The", "big", "cat"]) → ["The", "big", "cat"]

4. Program to arrange numbers in ascending order

- a. Input: [2,3,1,5,4]
- b. Output: [1,2,3,4,5]
- c. Sort the Array using loop only(you can not use predefined function).

5. Program to count vowels and consonants in a given String.

- a. Input: i am ram
- b. Output: 3 vowels 3 consonants

2. Reverse a number using while Loop

- a. Input: 123
- b. Output: 321