

1. print Fibonacci series up to n numbers.
2. Find whether the number is prime or not.
3. Find sum of 1-n numbers.
4. Find GCD of 2 numbers.
5. Reverse the digits.
6. Sum the individual digits of number, product individual digits of number.
7. Find binary of a decimal integer.
8. Find complement of decimal integer.
9. Find number factors of a number.
10. Print the number of common factors, 2 integer number shares.
11. Find the n to the power m value.
 - ✚ For example: $n = 4, m = 3$ then $n^m = 4^3 = 4 * 4 * 4 = 64$.
 - ✚ For example: $n = 2, m = 5$ then $n^m = 2^5 = 2 * 2 * 2 * 2 * 2 = 64$.
12. Find how many times 7 number repeats in an integer
 - ✚ For example: number=10012 then answer=0 because there is no 7 in number.
 - ✚ For example: number=17197 then answer=2 because 8 repeats 2 times in number (18198).
13. Find how many times 24 repeats in an integer.
 - ✚ You got it right!
14. Program to find factorial of given number.
15. Find the number of digits an integer has.
 - ✚ 134 -> 3 digits.
 - ✚ 1232 -> 4 digits.
16. Find maximum of n numbers without using array.
 - ✚ This is hard one in this page.
17. Find second maximum of n numbers without using array.
 - ✚ This is also hard one from this page.
18. Find Hamming weights in an integer.
 - ✚ Hamming weights means the total number of set bits in a number.
 - ✚ For example: $n=3$ then binary of 3 is 101 then hamming weight would be 2.
 - ✚ For example: $n=7$ then binary of 7 is 111 then hamming weight would be 3.
19. Check if given number is in power of 2 or not.
 - ✚ If $n=12$ it returns false because 2^n doesn't give 12 in any value of n
 - ✚ If $n=64$ it returns true because 2^6 gives 64.
20. Find how many notes would be required to get target.
 - ✚ You have notes of Hundred (100), tens(10s) and also have coins of 2's and 1's.
 - ✚ Target would be final amount you have to make.
 - ✚ You can use as many notes to complete your target and notes should be told in ascending order like 100,10,2,1.
 - ✚ For example: if target is 1215 then we will require 12 notes of 100, 1 note of 10, 2 coins of 2 and 1 coin of 1.
21. Find whether integer is palindrome or not
22. Find 9's and 10's complement of given integer.