

c prog class 24-3 home questions (A-10)

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March 2022

1. WAP to find the GCD/HCF of two numbers .
2. WAP to check whether a number n is prime number or not.
3. WAP to check whether an input integer is perfect number or not. (Perfect number is a number which is equal to sum of its divisor. For example, divisors of 6 are 1, 2 and 3. The sum of these divisors is 6.)
4. WAP to print the series as 1 2 7 15 31n, where n is given by user. ($2x+1$)
5. WAP to print the series as 1 1 2 3 5 8 13n, where n is given by user. (Fibonacci Numbers)
6. WAP to print the series as 3 5 7 11 13 17.....n, where n is given by user. (Prime number series)
7. WAP to print all odd and even numbers separately within a given range. The range is input through user.
8. WAP to display the reverse of a number entered through keyboard.
9. WAP to check whether an integer number is a Armstrong number or not. (Armstrong number is a number that is equal to the sum of cubes of its digits. For example 0, 1, 153, 370, 371 and 407 are the Armstrong numbers.)
10. WAP to evaluate the equation $y = x^n$ where n is a non-negative integer