Assignment of Subjective questions

1. Write a C program to input a number from user and find all factors of the given number using for loop.

Example

Input

Input number: 12

Output

Factors of 12: 1, 2, 3, 4, 6, 12

2. Write a C program to input a number and calculate its factorial using for loop.

Example

Input

Input number: 5

Output

Factorial: 120

3. Write a C program input two numbers from user and find the HCF using for loop.

Example

Input

Input first number: 12

Input second number: 30

Output

HCF of 12 and 30: 6

4. Write a C program to input two numbers from user and find LCM (Lowest Common Multiple) using loop.

Example

Input

Input number1: 12

Input number2: 30

Output

LCM = 60

5. Write a program in C to input a number and check whether the number is prime number or not using for loop.

Example

Input

Input any number: 17

Output

17 is prime number

6. Write a C program to print all Prime numbers between 1 to n using loop.

Example

Input

Input lower limit: 1

Input upper limit: 20

Output

Prime numbers between 1-20: 2, 3, 5, 7, 13, 17, 19

7. Write a C program to find sum of all prime numbers between 1 to n using for loop.

Example

Input

Input upper limit: 10

Output

Sum of prime numbers between 1-10: 17

8. Write a C program to input a number from user and find Prime factors of the given number using loop.

Example

Input

Input any number: 10

Output

Prime factors of 10: 2, 5

9. Write a C program to input a number from user and check whether given number is Armstrong number or not.

Example

Input

Input number: 371

Output

371 is armstrong number

10. Write a C program to print all Armstrong numbers between 1 to n. How to print Armstrong numbers between given interval using loop in C program.

Example

Input

Enter lower limit: 1

Enter upper limit: 1000

Output

Armstrong number between 1 to 1000 are:

1, 2, 3, 4, 5, 6, 7, 8, 9, 370, 371, 407