

Practice Questions

Fundamentals Of Programming

- Q 1. Write a program in C++ to find the factorial of a number.
- Q 2. Write a program in C++ to find the Greatest Common Divisor (GCD) of two numbers.
- Q 3. Write a program in C++ to asked user to input positive integers to process count, maximum, minimum, and average or terminate the process with -1.
- Q 4. Write a program in C++ to display the multiplication table of n.
- Q 5. Write a program that get range from user and print even numbers till range.
- Q 6. Write an infinite loop. A infinite loop never ends. Condition is always true.
- Q 7.
- Q 8. Take integer inputs from user until he/she presses q (Ask to press q to quit after every integer input). Print average and product of all numbers.
- Q 9. Factorial of any number n is represented by n! and is equal to.

$1*2*3*....*(n-1)*n$. E.g.-

$$4! = 1*2*3*4 = 24$$

$$3! = 3*2*1 = 6$$

$$2! = 2*1 = 2$$

Also,

$$1! = 1$$

$$0! = 0$$

Write a C++ program to calculate factorial of a number.

Q 10. Print the following patterns using loop.

a.

```
*  
**  
***  
****
```

b.

```
*  
***  
*****  
***  
*
```

c.

```
1010101  
10101  
101  
1
```

Practice makes perfect. After a long time of practicing, our work will become natural, skillful, swift, and steady.

Bruce Lee