

C Language Community LIVE Classes  
Assignment-12

1. Write a program to print first N terms of a Fibonacci series
2. Write a program to calculate HCF of two numbers
3. Write a program to display following patterns

```

      *           *
     **        ***
    ***       ****
   ****      *****
  *****    1 2 3 2 1
 1 2 3 4 3 2 1

```

```

A B C D       A B C D C B A
A B C         A B C B A
A B           A B A
A             A

```

```

1 0 0 0 0 0 1
 1 0 0 0 1
   1 0 1
    1

```

```

      *
     ***
    *****
   *****
  *****
 *

```

```

5 4 3 2 1
4 3 2 1
3 2 1
2 1
1

```