C Programs Question Bank {70 Programs}

**** Basic Programs ****

1) Write program for Output as Follow : { printf() – Formatted Output Implementation}

2	5	5		A	m	i	T						0	9			8	1			1	5	0		5	0	.	0	0
	0	2		S	u	j	a	t	a				7	0			8	0			2	0	0		6	6	.	6	7
1	5	0		A	j	a	y						8	2			1	8			1	7	0		5	6	.	6	7

2) Write Program to accept student details from user as student name , roll number, course, city
   Display all information after accepting info using single printf statement.
3) Write Program for swapping two numbers (without functional approach).
4) Write Program for arithmetic operator's implementation (use functional approach).
5) Write Program to print size of int, float, double, etc.(Use sizeof operator).
6) Write Program to print ASCII table (0-127).
7) Write Program to find out ASCII value of given character.
8) Write Program to find out Character for given ASCII value.

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**** Conditional Statement & Loops ****

1) Write Program to find maximum from 2 numbers {Use ternary operator: (no1>no2 ? no1 : no2)}

   NOTE : Write following Program number 2, 3, 4, 5
   Both Ways Ternary operator As well as if... else

2) Write Program to accept no. from user & check whether it is prime or not.
3) Write program to accept number from user to check whether it is even or odd.
4) Write a program to accept 2 numbers from user to display maximum from it.
5) Write Program to accept no. from user & check whether it is super prime or not.
6) Write Program to find maximum no. from 3 numbers.
7) Write Program to check whether entered character is uppercase or lowercase (getch / getche / getchar).
8) Write Program to check whether entered character is uppercase / lowercase / digit / special symbol
   (using conditional operator / --***switch***-- / if....else....if ladder).
9) Write Program to find inputted no. is divisible by both 5 & 7 or only by 5 or only by 7 or not by both 5 & 7.
10) Write Program to input 3 digit no. & find out maximum digit from it.

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1) Write a Program to compute sum of digit of inputted 3 digit number.
2) Write a Program to display digit from 4 digit inputted no. order right to left.
3) Write Program to display reverse number for 3 digits inputted no.
4) Write Program to swap 2 no. using functional approach (call by address).
5) Write program to accept 2 numbers from user and print their factors.
6) Write program to accept number from user and print Fibonacci series till that range.
7) Write program to accept number from user check whether palindrome or not.
8) Write Program to print factorial of given number.
9) Write Program to print Fibonacci series for given range.
10) Write program to accept character from user which can be
    A or B or C or D OR a or b or c or d. (Use Switch Case)
    If user Enters : A/a => print "Welcome"
    B/b => print "Good Bye"
    C/c => print "Have a nice day"
    D/d => print "Good Day"

1) Write Program to print “WELCOME” message 10 times.
2) Write a program to print characters A to Y.
3) Write Program to print “FORK” on first line & “INFOSYSTEMS” on second line.
   Print this 5 times (use only one while loop).
4) Write Program to print sum of 10 inputted numbers. 
5) Write Program to print table of inputted number.
6) Write program to print table of inputted number in reverse order.
7) Write Program to print reverse number for inputted number.
8) Write Program to count number of odd digits & even digits in given inputted number.
9) Write Program to find maximum number from 10 inputted numbers
   (Without array, only use 3 variables, handle if all inputs are -ve).
10) Write Program to find minimum & maximum no. from 10 inputted numbers.
11) Write Program to make sum of numbers till user enter zero/-ve number.
    (Use break/continue & unconditional loop).
12) Write Program to check inputted number is anagram or not.
    (Anagram = digits used for creating number are same).
    I/P => 1) 265462305 O/P=> yes given number is anagram number
    2) 465362502
13) Write Program to display table of number 5 to 10.
14) Write Program to display table of numbers of any given range.
15) Write program to accept numbers from user as x and y and print x^y (power function).
16) Write program to accept numbers from user as No1 and No2 and No3 and print ((No1 ^ No2)^No3)
    Implement Functional Approach for power function in above prog. no 15
17) Write Program to convert decimal number to its binary equivalent.
18) Write Program to convert binary number to its equivalent decimal number

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**** Pattern Printing ****

1)
```
*  *  *  *
*  *  *  *
*  *  *  *
*  *  *  *
```

2)
```
*
* *
* * *
* * * *
```

3)
```
*  *  *  *
*        *
*        *
*  *  *  *
```

4)
```
*  *  *  *
      *
   *
*  *  *  *
```

5)
```
*           *
*  *        *
*     *  *
*           *
```

6)
```
      *
   *  *
*  *  *
*  *  *  *
```

7)

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

8)

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

9)

```
A
A     B
A     B     C
A     B     C     D
A     B     C     D     E
```

10)

```
A
A     B
A     B     C
A     B
A
```

11)

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

12)

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

13)

```
          1
       2     2
    3     3     3
 4     4     4     4
```

14)

```
          10
       11       12
    13       14       15
16       17       18       19
```

**** String ****

1) Write program to accept string from user and print it in reverse order. (Implement strrev() function)
2) Write program to accept string from user and print its Length. (Implement strlen() function)
3) Write program to accept string from user and reverse 1st word of string.
   I/P => ABCD EFGH LM
   O/P => DCBA EFGH LM
4) Write program to accept string from user and reverse last word of string.
   I/P => ABCD RPGS TLNPQ
   O/P => ABCD RPGS QPNLT
5) Write program to accept string from user and reverse every word of string imples (as it is).
   I/P => ABCD PQRS MNOP
   O/P => DCBA SRQP PONM
6) Write program to accept string from user and reverse only such word whose length is even.
7) Write program to accept 2 strings from user and Concat both strings. (Implement strcat() Function)
8) Write program to accept 2 strings from user and check whether 1st string is substring of 2nd string (Implement strstr() function)
   I/P => 1) Hello
   2) India is country Hello world.
   O/P => TRUE
9) Write program to accept string from user and convert all letters to lower case and print.
10) Write program to accept string from user check whether palindrome or not.

To Be Continued...

Array

Pointers

Structures

Recursion

File Handling

Bitwise **And Much More.....**

Then O.O.P. => C++