

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**C PROGRAMMING LABORATORY**

**Virtual Lab Link:**

S.NO.	NAME OF THE EXPERIMENT	Hyper Link
1	I/O statements and expressions	<a href="https://www.youtube.com/watch?v=cSH9LDUEBBY">https://www.youtube.com/watch?v=cSH9LDUEBBY</a>
2	Decision-making constructs	<a href="https://www.youtube.com/watch?v=3AZV19Vjc4E">https://www.youtube.com/watch?v=3AZV19Vjc4E</a>
3	Given year is leap year or Not?	<a href="https://www.youtube.com/watch?v=EMpsKP3P_8Y">https://www.youtube.com/watch?v=EMpsKP3P_8Y</a>
4	Calculator to perform the operations, namely, addition, subtraction, multiplication, division and square of a number.	<a href="https://www.youtube.com/watch?v=vvpDbhqPrww&amp;vl=en">https://www.youtube.com/watch?v=vvpDbhqPrww&amp;vl=en</a>
5	Given number is Armstrong number or not?	<a href="https://www.youtube.com/watch?v=kipU4sdlpnU">https://www.youtube.com/watch?v=kipU4sdlpnU</a>
6	Find sum of weights based on the condition	<a href="https://www.youtube.com/watch?v=FVPGUCLE9w4">https://www.youtube.com/watch?v=FVPGUCLE9w4</a>
7	Populate an array with height of persons and find how many persons are above the average height.	<a href="https://www.youtube.com/watch?v=RSqP3WCt_-Y">https://www.youtube.com/watch?v=RSqP3WCt_-Y</a>
8	Populate a two dimensional array with height and weight of persons and compute the Body Mass Index of the individuals.	<a href="https://www.youtube.com/watch?v=J1aQ9JN4vZY">https://www.youtube.com/watch?v=J1aQ9JN4vZY</a>
9	Given a string —a\$bcd./fg  find its reverse without changing the position of special characters.0	<a href="https://www.youtube.com/watch?v=JmhCzdogQqU">https://www.youtube.com/watch?v=JmhCzdogQqU</a>
10	Convert the given decimal number into binary, octal and hexadecimal numbers using user defined functions.	<a href="https://www.youtube.com/watch?v=qpDvdq_qmU">https://www.youtube.com/watch?v=qpDvdq_qmU</a>
11	Built-in functions	<a href="https://www.youtube.com/watch?v=a-adAZ_rAf0">https://www.youtube.com/watch?v=a-adAZ_rAf0</a>

12	Solve towers of Hanoi using recursion.	<a href="https://www.youtube.com/watch?v=fffbT41luB4">https://www.youtube.com/watch?v=fffbT41luB4</a>
13	Sort the list of numbers using pass by reference.	<a href="https://www.youtube.com/watch?v=wAmq8elkdI8">https://www.youtube.com/watch?v=wAmq8elkdI8</a>
14	Generate salary slip of employees using structures and pointers.	<a href="https://www.youtube.com/watch?v=mLsYoMG_H4c">https://www.youtube.com/watch?v=mLsYoMG_H4c</a>
15	Compute internal marks of students for five different subjects using structures and functions	<a href="https://www.youtube.com/watch?v=N_62QMNMoUY">https://www.youtube.com/watch?v=N_62QMNMoUY</a>
16	Insert, update, delete and append telephone details of an individual or a company into a telephone directory using random access file.	<a href="https://www.youtube.com/watch?v=SFZI6rtm0fo">https://www.youtube.com/watch?v=SFZI6rtm0fo</a>
17	Count the number of account holders whose balance is less than the minimum balance using sequential access file.	<a href="https://www.youtube.com/watch?v=MBuHLeBxM-4">https://www.youtube.com/watch?v=MBuHLeBxM-4</a>



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