

# Netaji Subhash Engineering College

Department of Artificial Intelligence and Machine Learning

B. Tech AIML 1st Year 2nd Semester

2022-2023

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**Name of the Course:** Programming for Problem Solving

**Course Code:** ES-CS291

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## Day 2 - Problem Set

1. Write a C program that will print Armstrong numbers between “a” and “b” where “a” is a lower limit and “b” is an upper limit.
2. Write a C program to find the factorial of a given number (Using recursion).
3. Write a C program to find that whether a given number is odd or even (Using function).
4. Write a C program to reverse a given number (Using function).
5. Write a C program to find the list of prime numbers up to a given range.
6. Write a C Program to Find the Frequency of Characters in a String.
7. Write a C Program to Concatenate Two Strings.
8. Write a C Program to Find the Length of a String.
9. Write a C program to print the Fibonacci numbers between lower bound (say a) and upper bound (say b) (using recursion).
10. Write a C program that will check whether a string is a palindrome or not.