

# 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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## Week 1 - Problem Set

1. Write a C program to find the largest number among three numbers (The numbers may be equal).
2. Write a C program to find the factorial of a given number (Without using recursion).
3. Write a C program to calculate the sum of digits of a number.
4. Write a C program to reverse a given number.
5. Write a C Program to Check whether a number is Palindrome or Not.
6. Write a C Program to check whether an integer entered by the user is an Armstrong number or not.
7. Write a C Program to check whether an integer entered by the user is a prime number or not.
8. Write a C Program to print the even values up to n numbers.
9. Write a C program to swap two numbers with the help of temporary variables.
10. Write a C program to swap two numbers without any temporary variables.
11. Write a C program to print numbers from 1 to 10 using while loop.
12. Write a C program to print all prime numbers from 1 to 10.
13. Write a C program to print all uppercase letters.
14. Write a C program to check whether a year is a leap year or not.
15. Write a C program to take input from the user until zero is entered using a break statement.
16. Write a C program to print numbers from 1 to 10 except 4 using continue statement.