

Netaji Subhash Engineering College

Department of Artificial Intelligence and Machine Learning

B. Tech AIML 1st Year 2nd Semester

2022-2023

Name of the Course: Programming for Problem Solving

Course Code: ES-CS291

Week 3 - Problem Set

1. Write a C program to print the half pyramid with *.
2. Write a C program to print the inverted half pyramid with *.
3. Write a C program to print the full pyramid with *.
4. Write a C program that will convert binary to decimal number (integer numbers).
5. Write a C program that will convert decimal number to binary number (integer number).
6. Write a C program that will convert decimal number to Octal number (integer number).
7. Write a C program that will convert octal number to hexadecimal number (integer number).
8. Write a C program that will show simple scientific calculator using switch case.
9. Write a C program that will perform all kind of conversions of number systems (i.e., binary, decimal, octal, hexadecimal) using switch case (using function call).
10. Write a C program to print Full Pyramid of Numbers.