भारतीय सूचना प्रौद्योगिकी संस्थान गुवाहाटी
Indian Institute of Information Technology Guwahati
COMPUTER PROGRAMMING LAB (CS110)
ASSIGNMENTS–03

1. Write a program in C to find whether a given number is odd or even. If the number is odd, print `O`. Otherwise, print `E`.

2. Write a program in C to find the maximum of three numbers.

3. Write a program in C to check whether a number is divisible by either 7 or 13, or not.

4. Write a program in C to check whether a number is divisible only by either of 7 and 13 (but not both), or not.

5. Write a program that takes an integer x as input and prints the smallest even number larger than x. In other words, if x is even, the output is $(x+2)$ and $(x+1)$ otherwise.

6. Write a program in C to check if a five-digit positive integer is palindrome or. For instance, the number is `13531` is a palindrome. Do not use any loop construct. If it is a palindrome number, print `Y`. Otherwise, print `N`.

7. Write a program in C to find if a year is a leap year. If it is a leap year, print `Y`. Otherwise, print `N`.

8. Write a program in C to solve a quadratic equation. If the equation is $ax^2 + bx + c = 0$, then a, b, and c are inputs.