Week	Name of the Program
Week 1	1. Introduction to 8086 microprocessor, Architecture of 8086.
Week 2	1. Instruction set of 8086 microprocessor.
Week 3	1. Write an ALP program by using ADD, SUB, MUL, and DIV. 2. Write an ALP program to analyze AAA, AAS. 3. Write an ALP program to check the given input number is odd or even. 4. Write an ALP program to check the given input number is prime or not.
Week 4	1. Write an ALP program to analyze AAM, AAD. 2. Write an ALP program to check the given input number is Armstrong or not. 3. Program to check the given input number is Palindrome or not. 4. Program to check the given input number is positive or negative.
Week 5	1. Write an ALP program to analyze DAA, DAS. 2. Program to check the given input number is perfect or not. 3. Program to convert a given decimal number to binary number. 4. Given n and r, compute and display nCr.
Week 6	1. Program to find the LCM of two numbers by taking input from keyboard. 2. Program to find the GCD of two numbers by taking the input from keyboard 3. Program to find the factorial of a given number. 4. Program to print the Fibonacci series for given input number (EX: Input 5, print 0,1,1,2,3)
Week 7	1. Program to find the square root of given number. 2. Program to find the sum of digits in a given number. 3. Program to find the square and cube of a given number. 4. Write a program to display prime numbers between two given numbers

Week 8	**1.** Compute factorial of first 5 numbers and store in an array. **2.** Program to find the maximum number in an array. **3.** Program to find the minimum number in an array. **4.** Program to Search a given element in an array.
Week 9	1. Program to find the sum of numbers in an array. 2. Program to find the Perfect numbers in an array. 3. Program to find the Prime numbers in an array.
Week 10	1. Program to find the Armstrong numbers in an array. 2. Program to find the Palindromes in an array. 3. Program to find the count of even and odd numbers in array.
Week 11	1. Program to print the ascending order of array elements. 2. Program to print the descending order of array elements. 3. Write a program to find the sum of numbers at every 3rd position in an array.
Week 12	1. Program to find the length of a string. 2. Program to check whether the string is a Palindrome. 3. Program to take a string as input and check that string is a part of the original string (Substring check)