

Computer Organization & Assembly Language

Table of contents

S #	Date	EXPERIMENTS	Sign	Remarks
1		Introduction To Assembly and Assembler Developing basic understanding about Assembly and Assembler		
2		To understand and familiarize with the 8086 emulator environment.		
3		Input and Output Instruction Understand the working of INT 21H instruction Understand program having basic Input and Output Instruction		
4		Addition and Subtraction Instructions Understand Addition and Subtraction instructions Working of ASCII and Decimal adjust instruction		
5		Multiplication and Division Instructions Understand Multiplication and Division instructions Working of ASCII adjust instruction		
6		Loop To understand the concepts of loop in assembly language		
7		Call, Jumps and Loop Instructions Understand working of Procedure (CALL instruction) and Stack Understand difference between Conditional and Unconditional jump Implement LOOP instruction		
8		Logic Instruction Understand working of Logic instruction		
9		Shift and Rotate Instructions Understand working of Shift and Rotate instruction Understand difference between Shift and Rotate instruction		
10		Push/Pop Instructions To learned how to use the stack and write assembly procedures		
11		Look-up Table Understand the theory of Look-up table Working of Look-up Table instruction		
12		Interfacing Understand working of Parallel port Learn the instruction for input and output Controlling electronic hardware using parallel port		

Input and Output Instruction

Understand the working of INT 21H instruction Understand program having basic Input and Output Instruction