

CENG311

Programming Assignment 3 - Report

300201051

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Instruction Set Architecture (ISA)

Opcode (Decimal)	Opcode (Binary)	Function Field (Decimal)	Function Field (Binary)	Instruction
51	00110011	1	000001	<i>sll</i> (R-type)
51	00110011	2	000010	<i>move</i> (R-type)
51	00110011	3	000011	<i>nand</i> (R-type)
51	00110011	4	000100	<i>or</i> (R-type)
51	00110011	5	000101	<i>add</i> (R-type)
52	00110100	X	xxxxxx	<i>lw</i> (I-type)
53	00110101	X	xxxxxx	<i>sw</i> (I-type)
54	00110110	X	xxxxxx	<i>beq</i> (I-type)
55	00110111	X	xxxxxx	<i>blt</i> (I-type)
56	00111000	X	xxxxxx	<i>subi</i> (I-type)
57	00111001	X	xxxxxx	<i>addi</i> (I-type)
58	00111010	X	xxxxxx	<i>beqi</i> (B-I-type)
59	00111011	x	xxxxxx	<i>j</i> (J-type)

Diagram

In the below, there are two format of diagram. One of them is scanned version and the other is original image.



