

**PROGRAM TABLE | HRIDWEEK KARKI | @03024676**

Instruction	Location	Instruction or Data	Op Code	DR1	SR1	SR2	PC+	Offset	Current PC
#	Decimal	Binary	Binary	Binary	Binary	Binary	Decimal	Binary	Decimal
1	0	0010001000001001	0010 (LD)	001			1	000001001	0
2	1	0001010001100101	0001 (ADD)	010	001		2		1
3	2	0001011001000010	0001 (ADD)	011	001	010	3		2
4	3	0101100011101001	0101 (AND)	100	011		4		3
5	4	1001101100111111	1001 (NOT)	101	100		5		4
6	5	1010110000000100	1010 (LDI)	110			6	000000100	5
7	6	0011011000001000	0011 (ST)	011			7	000001000	6
8	7	1011010000000111	1011 (STI)	010			8	000000111	7
9	8	0000000000000000							
10	9	0000000000000000							
11	10	0000000000001010							