PC	Functionality	Instruction	Coding	Example	Ex ML
PC=PC+imm	imm:[-32,31]	J iiiiii	0 iiiiii	J 1	J 000001
If Rx >= Ry PC =PC+imm Else, PC++	imm:[0,7]	Bge Rx,Ry,iii	1 xx y iii	Bge R1,R1,2	1010110
If Rx<=Ry PC=PC+imm else,PC++	imm:[0,3]	Ble Rx,Ry,ii	10 xx y ii	Ble R1,R1,1	1001101
PC++	Rx=Ry and i	Andi Rx,Ry,i	11 xx yy i	Andi R1,R1,1	1101011
If Rx=0 PC=PC+imm else,PC++	imm:[0,3]	Beqz Rx,ii	100 xx ii	Beqz R1,1	1000101
PC++	Rx=mem[Ry]	Lw Rx, Ry	101 xx yy	Lw R1,R2	1010110
PC++	mem[Rx]=Ry	Sw Rx,Ry	110 xx yy	Sw R1,R2	1100110
PC++	Rx=Rx xor Ry	Xor Rx,Ry	111 xx yy	Xor R1,R2	1110110
PC++	Rx=Rx-Ry	Sub Rx,Ry	1000 xx y	Sub R3,R1	1000111
PC++	Rx=Rx+Ry	Add Rx,Ry	1001 xx y	Add R2,R1	1001101
PC++	Moves bits to the right by i	Srl Rx,i	1010 xx i	Srl R1, 1	1010011
PC++	Moves bits to the left by i	Sll Rx,i	1011 xx i	Sll R1,1	1011011
PC++	Rx=i	Li Rx,i	1100 xx i	Li R1,1	1100011
PC++	Rx=Rx and Ry	And Rx,Ry	1101 xx y	And R1,R1	1101011