**~~~~~~ R-Type instructions ~~~~~**

Example

ADD t2 = t1 + t1

op rd rs rt

15:12 11:8 7:4 3:0

HexCode- [ 0211 ] [op rd rs rt]

**~~~~~~ I-Type instructions ~~~~~**

Example

ADDi t1 = t1 + 3

op rd rs imm

15:12 11:8 7:4 3:0

HexCode- [ 8113 ] [op rd rs imm]

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~**

Example

Sw t1 4 (t2)

op rd imm rs

15:12 11:8 3:0 7:4

HexCode- [ a124 ] [op rd rs imm]

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~**

Example

Lw t3 4 (t2)

op rd imm rs

15:12 11:8 3:0 7:4

HexCode- [ 9324 ] [op rd rs imm]

**~~~~~~~~~~~~~~~~~~~~~~~~~~~~**

Example

beq t5 t6 4

op rd rs imm

15:12 11:8 7:4 3:0

HexCode- [ e564 ] [op rd rs imm]