this is I-instruction

funciton is:sw

binary code:10101111101111110000000000010100

MIPS assembly code:sw $sp,$ra 0x14

this is I-instruction

funciton is:sw

binary code:10101111101001000000000000100000

MIPS assembly code:sw $sp,$a0 0x20

this is I-instruction

funciton is:sw

binary code:10101111101001010000000000100100

MIPS assembly code:sw $sp,$a1 0x24

this is R instruction

Instruction: add

Function code (binary): 100001

binary code:00000011000011111100100000100001

MIPS assembly code: add $t9,$t8,$t7

this is I-instruction

funciton is:sw

binary code:10101111101110010000000000011000

MIPS assembly code:sw $sp,$t9 0x18

this is I-instruction

funciton is:lw

binary code:10001111101001010000000000011000

MIPS assembly code:lw $sp,$a1 0x18

this is J-instruction

function is:jal

binary code:00001100000000000001001011001100

MIPS assembly code:jal 0x12cc

this is I-instruction

funciton is:addiu

binary code:00100100100001000000010000110000

MIPS assembly code:addiu $a0,$a0 0x430

this is I-instruction

funciton is:lw

binary code:10001111101111110000000000010100

MIPS assembly code:lw $sp,$ra 0x14

this is I-instruction

funciton is:addiu

binary code:00100111101111010000000000100000

MIPS assembly code:addiu $sp,$sp 0x20

this is R instruction

Instruction: add

Function code (binary): 001000

binary code:00000011111000000000000000001000

MIPS assembly code: add $zero,$ra,$zero

this is R instruction

Instruction: add

Function code (binary): 100100

binary code:00000001101011100101100000100100

MIPS assembly code: add $t3,$t5,$t6

this is I-instruction

funciton is:lw

binary code:10001101010010010000000000001000

MIPS assembly code:lw $t2,$t1 0x8

this is J-instruction

function is:j

binary code:00001000000000010010001101000101

MIPS assembly code:j 0x12345

this is R instruction

Instruction: add

Function code (binary): 100010

binary code:00000010101010010101100000100010

MIPS assembly code: add $t3,$s5,$t1

this is I-instruction

funciton is:ori

binary code:00110101111100001011111011101111

MIPS assembly code:ori $t7,$s0 0xbeef

this is R instruction

Instruction: add

Function code (binary): 100000

binary code:00000010110011010101000000100000

MIPS assembly code: add $t2,$s6,$t5