The following opcodes are used for addition:

- ADDI Add Signed Integer
- ADDU Add Unsigned Integer
- ADDF Add Floating Point

## ADDI — Add Signed Integer {#ADDI}

```
L2 = L2 + <signed_imm>
L2 = L2 + <reg_val>
L2 = L2 + <const>
```

#### === "ADDI Example"

```
'``linenums="1" hl_lines="1 3 5 7"
; imm +ve
   ADDI   1
; imm -ve
   ADDI   -123
; reg val
   ADDI   val(QT)
; const
   ADDI   SOME_CONST_VAL
```

#### === "ADDI Properties"

## ADDU — Add Unsigned Integer {#ADDU}

```
L3 = L3 + <unsigned_imm>
L3 = L3 + <reg_val>
L3 = L3 + <const>
```

#### === "ADDU Example"

```
```linenums="1" hl_lines="1 3 5"
; imm +ve
    ADDU    1
; reg val
    ADDU    val(QT)
; const
    ADDU    SOME_CONST_VAL
```
```

## === "ADDU Properties"

## ADDF — *Add Float value* {#ADDF}

```
L1 = L1 + <float>
L1 = L1 + <reg_val>
L1 = L1 + <const>
```

## === "ADDF Example"

```
```linenums="1" hl_lines="1 3 5"
; imm float
   ADDF 3.14
; reg val
   ADDF val(QT)
; const
   ADDF SOME_CONST_VAL
```

# === "ADDF Properties"

Property	Value
Opcode	23
Type	Arithmetic
	64-bit float value
Destination	L1 (implicit)

Identified as memonic [#23](#ADDF), ADDF is used to add a 64-bit floating point value to the L1 register