The following opcodes are used for **addition**:

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

ADDI — Add Signed Integer {#ADDI}

=== "Algorithm"

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

=== "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
```

??? abstract "ADDU — Add Unsigned Integer"

```
=== "Properties"

| Property | Value |
```

```
-----
   | **Operand Type**| Unsigned 64-bit value
   | **Destination** | `L3` (implicit)
=== "Algorithm"
   . . .
   L3 = L3 + <unsigned_imm>
   L3 = L3 + \langle reg_val \rangle
   L3 = L3 + < const >
=== "Example"
   . . .
   ; imm +ve
     ADDU
   ; reg val
      ADDU val(QT)
   ; const
     ADDU SOME_CONST_VAL
```

??? abstract "ADDF — Add Float value"

ADDF val(QT); const

ADDF SOME_CONST_VAL

. . .