CLI guide

usage:\t246-MIPS-Assembler [-o obj objbinname | -d display | -h help ] target asmfile

Options and arguments (and corresponding environment variables):

-h : print this help message and exit (also --help)"

-o : custom output file name (also --obj)

-d : display in console in HEX machine code (also --display)

-b : display in console in binary machine code

-t : Output .txt file. (default)

-c : Output .coe file."

DLL doc

Assembler.dll

//Assembler Core

**public** List<Instruction> CodeList //CodeList after assemble

**public** **bool** **DoAssemble**() //do assemble

**public** **void** **Display**(**bool** isBinary) //display in console.

//True for Binary

//False for Hex

**public** **void** **Output**(**bool** isoutputCOE, **string** outputPath)

//write machine\_code file

//outputPath as the name

//isoutputCOE

//True for COE

//False for txt

**public** **void** **DisplayError**() //Display the assembler error

Instruction.dll

//C# model of MIPS instruction

**public** **Instruction**(**string** mnemonic, **string** arg1, **string** arg2, **string** arg3, **int** address)

**public** **Instruction**(**string** mnemonic, **string** arg1, **string** arg2, **string** arg3)

**public** **Instruction**(BitArray machine\_code)

**public** **int** Address

**public** BitArray Machine\_Code

**public** **string** Arg1

**public** **string** Arg2

**public** **string** Arg3

**public** Mnemonic Mnemonic

**public** **void** **Validate**()

//Machine\_code to Mnemonic or Mnemonic to Machine\_code