XA80 PREPARSER

Initial assessment:

BASIC ELEMENTS

* Whitespace	psWhitespace
* Single quoted char	psSQChar
Double quoted string	psDQStr
Commas	psComma
Glob - e.g INC, 23, 5+A	psGlob
Comment	psComment

Keyword allocation:

Instruction mnemonics e.g INC
Commands   e.g IFDEF
Macros   e.g. ADDS

PP Mnemonic
PP Command
PP Macro
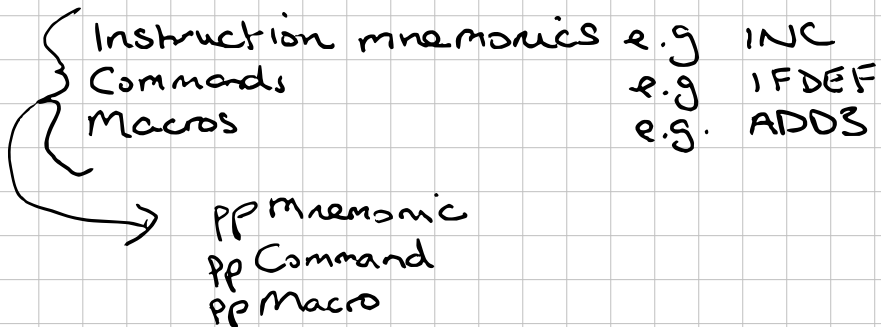
Operands e.g. HL, DE and variables
are not set at this time

Bracket combining:

LEFT("DUNCAN" ,1) → LEFT("DUNCAN", 1)
psGlob psDQStr psGlob   psGlob

* escapes not allowed

Glob combining:

psGlob psWhitespace psGlob ⟶ psGlob

psGlob psGlob ⟶ psGlob

Label Allocation:

If first space is glob it must be a label. Don't check for colons at this stage

REMOVE ANY REMAINING WHITESPC

Operand Creation:

First
$$\left.\begin{array}{l} \text{psGlob} \\ \text{psSQChar} \\ \text{psDQStr} \end{array}\right\} \rightarrow \text{ppOperand}$$

Subsequent

$$\left.\begin{array}{ll} \text{psComma} & \text{psGlob} \\ \text{psComma} & \text{psSQChar} \\ \text{psComma} & \text{psDQStr} \end{array}\right\} \rightarrow \text{ppOperand}$$