

ERROR REPORTING

1. Missing Directive statement missing - Assembler will throw an error stating “no STP opcode found” if no statement is present.
2. Empty Source - If Input file is empty, Assembler will throw an error stating “Empty Source”.
3. Duplicate Label - If an label is found two times, then it is a ambiguity, and an error will be thrown stating “ Duplicate Label” error
4. Invalid Assembly Opcode - Whenever an opcode is encountered in the Assembly code, it will be searched in the Opcode file. In case opcode is not found, the error will be thrown for having an invalid opcode in the Input file.
5. Undefined Label - If an label is used after a branching statement but it is not defined anywhere in the assembly code, then an error will be throws stating “undefined label”.
6. Undefined Symbol - If a symbol is used but has not been defined through ‘INP’ , then an error will be throws stating ‘undefined symbol’.
7. Wrong parameters - Every opcode have an predefined number of parameters. If number of parameters and type of parameters are not the same as defined, then an error will be thrown.