Workshop 2 - Computer science 3. Laura Daniela Munoz. 1. For each one of the next cases define a regular expression as used in a compiler based on the Python re library. i) Identifier - A regular expression to match valid Identifier = r " ~ [a-ZA-Z\_][a-ZA-Z8-9\_]\* \$1 ii) Integer Literal - Match Integer Literals. Integer\_literal = ryn-? d+\$" iti) Floating point Literal - Match Floating points Floating - point literal = r" 1 - ? ldt l. ld+ &" (v) String Literal - String literals enclosed in double quotes String - literal = r"11" \* 1 \* 1 v) Single line > Single line comments extensed in Single - line comment = r"/// \* VI) Multi-line comment - Multiline comment endosed in 1/\* \*/ multi\_line\_ comment = 1"/1" [ \s\S] \*? \\*/" VII) White space - (space, tabs, newlines). whitespace = ["1s+" VIII) Operators - Common operators. Operator = + "1 (== | 1= | <= | >= | \ | [+ \ + \* / % < > = ] ) \$"

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1x) Keywords -> Motch keyword ( 'if, 'dse', 'while', 'return')
   Keyword = r " 1 (IF lelse | while I return) $"
X) Hexadecimal Literal
  Hexa_literal = 1" ^ O[xX][Ø-90-FA-F]+$11
```







