## CyndaQuil Grammar Sheet

Yousef Alaa Awad

November 18, 2024

$$[Program] \rightarrow [Statement]^* \qquad (1)$$

$$[Statement] \rightarrow \begin{cases} run \ [Expression] \sim \\ catch \ [Expression] \ as \ identifier \sim \end{cases} \qquad (2)$$

$$[expression] \rightarrow \begin{cases} [Term] \\ [Binary \ Expression] \end{cases} \qquad (3)$$

$$[Binary \ Expression] \rightarrow \begin{cases} [Expression] * \ [Expression] & precedence = 1 \\ [Expression] + \ [Expression] & precedence = 0 \end{cases} \qquad (4)$$

$$[Term] \rightarrow \begin{cases} integer \ literal \\ identifier \end{cases} \qquad (5)$$