$$
\begin{array}{lcl}
S & \rightarrow & \textbf{Newline}\ S \mid S_1 \\
S_1 & \rightarrow & AS_1 \mid DS_1 \mid \textbf{EOF} \\
A & \rightarrow & \textbf{def ident}\ (I) : B \\
I & \rightarrow & \textbf{ident}\ I_1 \\
I_1 & \rightarrow & , \textbf{ident}\ I_1 \mid \varepsilon \\
B & \rightarrow & CN \mid \textbf{Newline Begin}\ DB_1\ \textbf{End} \\
B_1 & \rightarrow & DB_1 \mid \varepsilon \\
C & \rightarrow & \textbf{return}\ E \mid \textbf{ident}\ C_1 \mid \textbf{print}(E_1) \\
C_1 & \rightarrow & = E \mid [E] = E \mid \varepsilon \\
D & \rightarrow & CN \mid \textbf{if}\ E : BD_1 \mid \textbf{for indent in}\ E : B \\
D_1 & \rightarrow & \textbf{else :}\ B \mid \varepsilon \\
E & \rightarrow & E_{\text{or}} \\
E_{\text{or}} & \rightarrow & E_{\text{and}} E_{\text{or\_tail}} \\
E_{\text{or\_tail}} & \rightarrow & \textbf{or}\ E_{\text{and}} E_{\text{or\_tail}} \mid \varepsilon \\
E_{\text{and}} & \rightarrow & E_{\text{not}} E_{\text{and\_tail}} \\
E_{\text{and\_tail}} & \rightarrow & \textbf{and}\ E_{\text{not}} E_{\text{and\_tail}} \mid \varepsilon \\
E_{\text{not}} & \rightarrow & \textbf{not}\ E_{\text{rel}} \mid E_{\text{rel}} \\
E_{\text{rel}} & \rightarrow & E_{\text{add}} E_{\text{rel\_tail}} \\
E_{\text{rel\_tail}} & \rightarrow & O_r E_{\text{add}} E_{\text{rel\_tail}} \mid \varepsilon \\
E_{\text{add}} & \rightarrow & E_{\text{mult}} E_{\text{add\_tail}} \\
E_{\text{add\_tail}} & \rightarrow & O_+ E_{\text{mult}} E_{\text{add\_tail}} \mid \varepsilon \\
E_{\text{mult}} & \rightarrow & E_{\text{un}} E_{\text{mult\_tail}} \\
E_{\text{mult\_tail}} & \rightarrow & O_* E_{\text{un}} E_{\text{mult\_tail}} \mid \varepsilon \\
E_{\text{un}} & \rightarrow & -E_{\text{un}} \mid [E_1] \mid (E_1) \mid O_{\text{un}} \mid \textbf{ident} E_3 \\
E_1 & \rightarrow & E E_2 \mid \varepsilon \\
E_2 & \rightarrow & , E E_2 \mid \varepsilon \\
E_3 & \rightarrow & (E_1) \mid [E_1] \\
O_r & \rightarrow & <= \mid >= \mid < \mid > \mid != \mid == \\
O_+ & \rightarrow & + \mid - \\
O_* & \rightarrow & \times \mid // \mid \% \\
O_{\text{un}} & \rightarrow & \textbf{ident} \mid \textbf{const} \mid \textbf{True} \mid \textbf{False} \mid \textbf{None} \\
N & \rightarrow & \textbf{Newline}\ N \mid \varepsilon
\end{array}
$$