|  |  |
| --- | --- |
| **Group Name:** |  |
| **Member 1:** |  |
| **Member 2:** |  |
| **Member 3:** |  |

**ARNOLD GRAMMAR**

Phrases enclosed in angle brackets (<,>) are abstractions.

Words in small letters describe the lexemes that are already described by a regular expression.

Keywords in ArnoldC must be in capital letters and should be typed in **bold-face**.

|  |  |  |
| --- | --- | --- |
| **LHS** | **::=** | **RHS** |
| <program> | ::= | **IT’S SHOWTIME** <linebreak> <statement> <linebreak> **YOU HAVE BEEN TERMINATED** |
| <statement> | ::= | <print> | |
| <print> | ::= | **TALK TO THE HAND** variable |
|  | ::= | **TALK TO THE HAND** <literal> |
| <literal> | ::= | string | integer | macro |
| <expr> | ::= | <> |
| <function declaration> | ::= |  |
| <conditional> | ::= |  |
| <assignment statement> | ::= | **GET TO THE CHOPPER** <variable>  **HERE IS MY INVITATION** <literal>  [gawa ka ng kung ano here]  **ENOUGH TALK** |
| <comparison> | ::= | <is greater than> | <is less than> | <is equal> |
| <loop> | ::= | STICK AROUND  <insert>  **CHILL** |
| <declaration> | ::= | **HEY CHRISTMAS TREE** <variable>  **YOU SET US UP** <literal> |
| <switch statement> | ::= |  |
| <equals> | ::= | **YOU ARE NOT YOU YOU ARE ME** |
| <and> | ::= | **KNOCK KNOCK <**variable**> |**  **KNOCK KNOCK** literal |
| <or> | ::= | **CONSIDER THAT A DIVORCE <**variable**> |**  **CONSIDER THAT A DIVORCE <**literal**>** |
| <is greater than> | ::= | **LET OFF SOME STEAM BENNET** |
| <add> | ::= | **GET UP** <integer> | **GET UP** literal |
| <sub> | ::= | **GET DOWN** <integer> | **GET DOWN** literal |
| <multiplication> | ::= | **YOU’RE FIRED** <integer> | **YOU’RE FIRED** literal |
| <division> | ::= | **HE HAD TO SPLIT** <integer> | **HE HAD TO SPLIT** literal |
| <modulo> | ::= | **I LET HIM GO <**integer**> | I LET HIM GO** literal |
| <function call> | ::= | DO IT NOW |