HW1

**a)**

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**b)**

<stmnt\_list> ::= <stmnt> | <stmnt> <stmnt\_list>

<stmnt> ::= <assign> | <case\_stmnt>

<assign> ::= <var> = string\_literal

<var> ::= code | message

<case\_stmnt> ::= when <logic\_expr> then <stmnt> | when <logic\_expr> then <stmnt> else <stmnt>

<logic\_expr> ::= <var> == string\_literal

**c)**



**d)**

<stmnt> => <case\_stmnt>

<stmnt> => when <logic\_expr> then <stmnt> else <stmnt>

<stmnt> => when <logic\_expr> then <stmnt> else <case\_stmnt>

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else <stmnt>

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else <case\_stmnt>

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else <stmnt>

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else <assign>

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else <var> = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else when <logic\_expr> then <assign> else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else when <logic\_expr> then <var> = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else when <logic\_expr> then message = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else when <var> == "jp" then message = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <stmnt> else when code == "jp" then message = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <assign> else when code == "jp" then message = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then <var> = "¡Buenos días!" else when code == "jp" then message = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <stmnt> else when <logic\_expr> then message = "¡Buenos días!" else when code == "jp" then message = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <stmnt> else when <var> == "es" then message = "¡Buenos días!" else when code == "jp" then message = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <stmnt> else when code == "es" then message = "¡Buenos días!" else when code == "jp" then message = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <assign> else when code == "es" then message = "¡Buenos días!" else when code == "jp" then message = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then <var> = "Good morning!" else when code == "es" then message = "¡Buenos días!" else when code == "jp" then message = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when <logic\_expr> then message = "Good morning!" else when code == "es" then message = "¡Buenos días!" else when code == "jp" then message = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when <var> == "en" then message = "Good morning!" else when code == "es" then message = "¡Buenos días!" else when code == "jp" then message = "おはよう!" else message = "Error: Unsupported language"

<stmnt> => when code == "en" then message = "Good morning!" else when code == "es" then message = "¡Buenos días!" else when code == "jp" then message = "おはよう!" else message = "Error: Unsupported language"