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Action
Shift and goto state 10
Shift and goto state 23
Shift and goto state 30
Shift and goto state 13
Reduce rule [Type -> INT] with ['int'] and goto state 35
Shift and goto state 58
Reduce rule [Variable -> Type ID] with [None,'i'] and goto state 39
Reduce rule [Formals -> Variable] with [None] and goto state 42
Shift and goto state 66
Shift and goto state 62
Shift and goto state 106
Shift and goto state 163
Shift and goto state 131
Reduce rule [LValue -> ID] with ['i'] and goto state 95
Reduce rule [Expression -> LValue] with [None] and goto state 198
Shift and goto state 148
Reduce rule [CompareOperator -> EQUAL] with ['=='] and goto state 137
Shift and goto state 105
Reduce rule [Constant -> INTCONSTANT] with ['0'] and goto state 96
Reduce rule [Expression -> Constant] with [None] and goto state 183
Reduce rule [Expression -> Expression CompareOperator Expression] with [None, None, None] and goto state 198
Shift and goto state 219
Shift and goto state 62
Shift and goto state 107
Shift and goto state 164
Shift and goto state 114
Reduce rule [Constant -> BOOLEANCONSTANT] with ['true'] and goto state 96
Reduce rule [Expression -> Constant] with [None] and goto state 199
Shift and goto state 220
Shift and goto state 109
Shift and goto state 166
Reduce rule [BreakStatement -> BREAK SEMICOLON] with ['break',';'] and goto state 90
Reduce rule [Statement -> BreakStatement] with [None] and goto state 234
Reduce rule [WhileStatement -> WHILE LEFTPAREN Expression RIGHTPAREN Statement] with ['while','(',None,')',None] and goto state 88
Reduce rule [Statement -> WhileStatement] with [None] and goto state 84
Shift and goto state 111
Shift and goto state 169
Shift and goto state 113
Reduce rule [Constant -> STRINGCONSTANT] with ['"expression: "'] and goto state 96
Reduce rule [Expression -> Constant] with [None] and goto state 190
Shift and goto state 215
Shift and goto state 131
Shift and goto state 181
Shift and goto state 131
Reduce rule [LValue -> ID] with ['i'] and goto state 95
Reduce rule [Expression -> LValue] with [None] and goto state 185
Shift and goto state 212
Reduce rule [LValue -> ID LEFTBRACKET Expression RIGHTBRACKET] with ['a','[',None,']'] and goto state 95
Shift and goto state 155
Shift and goto state 97
Reduce rule [Expression -> THIS] with ['this'] and goto state 191
Reduce rule [Expression -> LValue ASSIGNOP Expression] with [None,'=',None] and goto state 190
Reduce rule [ExpressionList -> Expression] with [None] and goto state 230
Reduce rule [ExpressionList -> Expression COMMA ExpressionList] with [None,',',None] and goto state 203
Shift and goto state 223
Shift and goto state 237
Reduce rule [PrintStatement -> PRINTLN LEFTPAREN ExpressionList RIGHTPAREN SEMICOLON] with ['println','(',None,')',';'] and goto state 92

Reduce rule [Statement -> PrintStatement] with [None] and goto state 84
 Reduce rule [Statements -> Statement] with [None] and goto state 134
 Reduce rule [Statements -> Statement Statements] with [None, None] and goto state 81
 Shift and goto state 132
 Reduce rule [StatementBlock -> LEFTBRACE Statements RIGHTBRACE] with ['{', None, '}'] and goto state 93
 Reduce rule [Statement -> StatementBlock] with [None] and goto state 233
 Shift and goto state 241
 Shift and goto state 106
 Shift and goto state 163
 Shift and goto state 131
 Reduce rule [LValue -> ID] with ['i'] and goto state 95
 Reduce rule [Expression -> LValue] with [None] and goto state 198
 Shift and goto state 148
 Reduce rule [CompareOperator -> EQUAL] with ['=='] and goto state 137
 Shift and goto state 105
 Reduce rule [Constant -> INTCONSTANT] with ['1'] and goto state 96
 Reduce rule [Expression -> Constant] with [None] and goto state 183
 Reduce rule [Expression -> Expression CompareOperator Expression] with [None, None, None] and goto state 198
 Shift and goto state 219
 Shift and goto state 62
 Shift and goto state 94
 Reduce rule [LValue -> ID] with ['array'] and goto state 95
 Shift and goto state 155
 Shift and goto state 104
 Shift and goto state 162
 Shift and goto state 197
 Shift and goto state 218
 Shift and goto state 232
 Shift and goto state 240
 Reduce rule [Expression -> NEWARRAY LEFTPAREN INTCONSTANT COMMA ID RIGHTPAREN] with ['newarray', '(', '20', ',', 'myType', ')'] and goto state 191
 Reduce rule [Expression -> LValue ASSIGNOP Expression] with [None, '=', None] and goto state 86
 Shift and goto state 135
 Reduce rule [Statement -> Expression SEMICOLON] with [None, ';'] and goto state 84
 Shift and goto state 111
 Shift and goto state 169
 Shift and goto state 113
 Reduce rule [Constant -> STRINGCONSTANT] with ['"expresion: "'] and goto state 96
 Reduce rule [Expression -> Constant] with [None] and goto state 190
 Shift and goto state 215
 Shift and goto state 131
 Shift and goto state 153
 Shift and goto state 186
 Shift and goto state 213
 Shift and goto state 131
 Reduce rule [LValue -> ID] with ['i'] and goto state 95
 Reduce rule [Expression -> LValue] with [None] and goto state 190
 Reduce rule [ExpressionList -> Expression] with [None] and goto state 189
 Reduce rule [Actuals -> ExpressionList] with [None] and goto state 228
 Shift and goto state 238
 Reduce rule [Call -> ID PERIOD ID LEFTPAREN Actuals RIGHTPAREN] with ['array', '.', 'getInfo', '(', None, ')'] and goto state 98
 Reduce rule [Expression -> Call] with [None] and goto state 190
 Reduce rule [ExpressionList -> Expression] with [None] and goto state 230
 Reduce rule [ExpressionList -> Expression COMMA ExpressionList] with [None, ',', None] and goto state 203
 Shift and goto state 223
 Shift and goto state 237
 Reduce rule [PrintStatement -> PRINTLN LEFTPAREN ExpressionList RIGHTPAREN SEMICOLON] with ['println', '(', None, ')', ';'] and goto state 92
 Reduce rule [Statement -> PrintStatement] with [None] and goto state 84
 Reduce rule [Statements -> Statement] with [None] and goto state 134
 Reduce rule [Statements -> Statement Statements] with [None, None] and goto state 81

Shift and goto state 132
 Reduce rule [StatementBlock -> LEFTBRACE Statements RIGHTBRACE] with ['{',None,']}'] and goto state 93
 Reduce rule [Statement -> StatementBlock] with [None] and goto state 233
 Shift and goto state 241
 Shift and goto state 111
 Shift and goto state 169
 Shift and goto state 113
 Reduce rule [Constant -> STRINGCONSTANT] with ["expression: """] and goto state 96
 Reduce rule [Expression -> Constant] with [None] and goto state 190
 Shift and goto state 215
 Shift and goto state 131
 Shift and goto state 153
 Shift and goto state 186
 Shift and goto state 213
 Shift and goto state 131
 Reduce rule [LValue -> ID] with ['i'] and goto state 95
 Reduce rule [Expression -> LValue] with [None] and goto state 190
 Reduce rule [ExpressionList -> Expression] with [None] and goto state 189
 Reduce rule [Actuals -> ExpressionList] with [None] and goto state 228
 Shift and goto state 238
 Reduce rule [Call -> ID PERIOD ID LEFTPAREN Actuals RIGHTPAREN] with ['array','.', 'getInfo','(',None,')'] and goto state 98
 Reduce rule [Expression -> Call] with [None] and goto state 190
 Reduce rule [ExpressionList -> Expression] with [None] and goto state 230
 Reduce rule [ExpressionList -> Expression COMMA ExpressionList] with [None,',',None] and goto state 203
 Shift and goto state 223
 Shift and goto state 237
 Reduce rule [PrintStatement -> PRINTLN LEFTPAREN ExpressionList RIGHTPAREN SEMICOLON] with ['println','(',None,')',';'] and goto state 92
 Reduce rule [Statement -> PrintStatement] with [None] and goto state 245
 Reduce rule [IfStatement -> IF LEFTPAREN Expression RIGHTPAREN Statement ELSE Statement] with ['if','(',None,')',None,'else',None] and goto state 87
 Reduce rule [Statement -> IfStatement] with [None] and goto state 245
 Reduce rule [IfStatement -> IF LEFTPAREN Expression RIGHTPAREN Statement ELSE Statement] with ['if','(',None,')',None,'else',None] and goto state 87
 Reduce rule [Statement -> IfStatement] with [None] and goto state 84
 Reduce rule [Statements -> Statement] with [None] and goto state 81
 Shift and goto state 132
 Reduce rule [StatementBlock -> LEFTBRACE Statements RIGHTBRACE] with ['{',None,']}'] and goto state 119
 Reduce rule [FunctionDeclaration -> VOID ID LEFTPAREN Formals RIGHTPAREN StatementBlock] with ['void',<str @ 0x111fcb108>,'(',None,')',None] and
 Reduce rule [Declaration -> FunctionDeclaration] with [None] and goto state 2
 Reduce rule [Program -> Declaration] with [None] and goto state 1