

Jeroo's of Santong Island in South Pacific Ocean

Winsum flower

(row, column) 23 rows →
23 columns ↓

IDE - Integrated Development Environment

Program - set of instructions for a computer

Source code ^(more human) - a programming language written by a programmer

Compiler - translates an entire program from one form to another

Interpreter - translates a program into machine language from line to line

Algorithm - a plan for solving a problem

Syntax - set of rules for writing a programming language

Semantics - the meaning of an expression

Object - represents a specific concept/item relevant to the problem

Attribute - fact associated with a specific object

Behaviour - an action in response to an external request

Method - a collection of statements to describe a specific behaviour

Precondition } a method that is true before the method is invoked
Postcondition } after the method is executed

Message - a request for a specific object to perform a specific task

Class - a collection of statements that describe attributes and behaviours for an object

Instantiation - the process of creating a specific object

Algorithm Development Process -

- 1) Obtain a description of the problem
- 2) Analyze
- 3) Develop detailed algorithm
- 4) Refine
- 5) Review

Jeroo Syntax

Default attributes

Location: (0,0)

Direction: EAST

Flowers: 0

Declaration
method main() {

Instantiation

Jeroo name = new Jeroo (0, 0, EAST, 0);

name.hop(n)

· pick()

· plant()

· toss() // Toss a flower 1 space ahead. Disables net

· turn (LEFT/RIGHT)

· give (LEFT/RIGHT/AHEAD)

// Gives flower to neighbouring Jeroo in indicated direction

}