Jeroo Test 2

1. A \_\_\_\_\_\_\_\_\_\_\_is an application that translates source code into an intermediate language.
   1. method
   2. compiler
   3. Jeroo
   4. program
2. A set of rules for writing or speaking a language is called
   1. syntax
   2. semantics
   3. algorithm
   4. method
3. A \_\_\_\_\_\_\_\_\_\_\_ is a collection of statements that are written in some programming language to describe a specific behavior.
   1. instantiation
   2. algorithm
   3. semantics
   4. method
4. The process of creating a specific object is called
   1. instantiation
   2. behavior
   3. method invocation
   4. interpretation
5. Complete the method **pickAndToss** below which instructs a Jeroo to pick up a flower that is directly in front of it and tosses it through a net that is on the other side of the flower.

// picks a flower and tosses it through a net that is positioned on the

// other side of the flower

method pickAndToss()

{

}

1. A Jeroo named sam has been instantiated in the main method below. Send a message to sam asking him to perform the pick and toss behavior defined above.

method main()

{

Jeroo sam = new Jeroo();

}

1. Assume there is a Jeroo named lisa. Write a series of statements that will instruct her to move 3 spaces directly in front of her then turn around.
2. Assume there is a Jeroo named lisa who is on the western shore of an island facing east. Write a **while loop** that will allow her to travel across the island one hop at a time until she encounters a net directly in front of her.
3. Assume there is a Jeroo named lisa. Write an **if/else statement** that will allow her to determine if there is a flower directly in front of her. If there is a flower in front of her she needs to pick it up, otherwise she needs to turn around and hop 5 spaces in the opposite direction.
4. Assume there is a Jeroo named lisa. Write an **if statement** that will allow her to determine if there is a net to her left and to her right. If this condition is true she needs to hop forward one space.