

Jeroo Test 2

1. A _____ is an application that translates source code into an intermediate language.
 - a. method
 - b. compiler
 - c. Jeroo
 - d. program
2. A set of rules for writing or speaking a language is called
 - a. syntax
 - b. semantics
 - c. algorithm
 - d. method
3. A _____ is a collection of statements that are written in some programming language to describe a specific behavior.
 - a. instantiation
 - b. algorithm
 - c. semantics
 - d. method
4. The process of creating a specific object is called
 - a. instantiation
 - b. behavior
 - c. method invocation
 - d. 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()  
{  
  
  
}
```
6. 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();

}
```

7. 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.

8. 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.

9. 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.

10. 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.