

# Jeroo Test 2

1. Write a line of code that will instantiate(create) a Jeroo named bob with the following state:

**Location:** row 3, column 1

**Direction:** North

**Number of Flowers:** 15

2. Complete the method **pickAndToss** below which instructs a Jeroo to pick up a flower that is currently under the Jeroo 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()
{
```

```
}
```

3. A Jeroo named sam has been instantiated(created) in the main method below. Send a message to sam asking him to perform the pick and toss behavior defined above. Assume that pickAndToss works as specified.

```
method main()
{
    Jeroo sam = new Jeroo();
```

```
_____
}
```

4. 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.

5. 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.
6. Assume there is a Jeroo named roy. Write an **if/else statement** that will allow roy to determine if there is a flower directly in front of him. If there is a flower in front of him he needs to pick it up, **otherwise** he should turn around and hop 5 spaces in the opposite direction.
7. Assume there is a Jeroo named roy. Write an **if statement** that will allow him to determine if there is a net to his left **and** to his right. If this condition is true he needs to hop forward one space.

8. A Jeroo named fred is on the west shore of an island facing east with one flower in his pouch. He has decided to cross the island to the other shore. Fred is afraid of being caught by a trapper so if he encounters a net he is going to end his journey and go back where he came from. Fred begins his journey by planting a flower at his starting location. Write a code segment that will help fred complete his journey as described above.