

# JAVA Assignment



## Java BONUS Assignment: Fox Goose Grain Riddle(or as Nico would say, Wolf, Sheep, Cauliflower) 1<sup>st</sup> or 3<sup>rd</sup> qtr ONLY!!!!

Ver **3.0** Last Updated: **2/5/2017 10:21 PM**

Develop an application that allows a user to play out the fox goose grain riddle. A farmer owns a boat and a fox, goose and bag of grain. Strange, eh? He or she wants to get each of these entities across a river on his property.

Because he doesn't have a bridge and can't build a boat to hold more than one of these entities with himself (can you say contrived, hey, this isn't my riddle so don't pick on me!!!) he must take them across the river one at a time.

Start the 3 entities and the boat on one side of the river. Allow the user to choose from a menu of options to move the entities over to the other side. NOTE: You can move only the boat if desired.

Check for a dangerous condition (you will figure them out) and print an error message if they lose by creating this.

Allow them to restart the game. Check for a winning condition also, and give them some sort of congratulatory message.

Don't worry about illegal moves unless you have time.



<b>Project Name</b>	Fox Goose Grain Project
<b>App Name</b>	FoxGooseGrainConsole

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| Welcome to the Fox Goose Grain Riddle |
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WEST
```

```
EAST
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*-FOX-*
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```
$GOOSE$
```

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@GRAIN@
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\____/
```

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```
| 0 = Boat Only  
| 1 = Fox and Boat (Wolf if you are from Italy)  
| 2 = Goose and Boat (Sheep if you are from Italy)  
| 3 = Grain and Boat (Cauliflower if you are from Italy)  
| 4 = Start over  
| 5 = End Program
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1
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..°°xφ,, ..°°xφ,, ,,,φx°°° ..°°xφ°°°
..°°xφ,, YOU ,,,φx°°°
,,φx°°° WON! Nikita wishes°°°xφ,,
        You much success in life!
,,φx°°° ,,,φx°°°°°°°xφ,, ..°°xφ
Play Again Y/N

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