Red Riding Hood

Assignment

In this assignment you will be given a set of characters, each one with their own reactions to given situations. These characters will be used to tell a different story each time you start your program.

The characters and their reactions to the given situations will be described below.

The program you will be creating starts by randomly selecting two characters from your list and then runs based in their reactions.

The characters react from left to right. So, if character 1 has a reaction, then character 2 does not get to react if it also has a reaction.

If character 2 has a reaction but character 1 does not, then character 2 reacts. Each new character will be added on the right, so at the end of the chain. Each character can only appear once at a given time, so you cannot have any duplicates unless this is specified.

If there are 3 characters and character 1 has a reaction for character 2 and character 3, then character one reacts to character 2.

The entire story goes from left to right.

You decide how you want to represent these characters and their reactions. This can be done by GUI, text drawings, emojies, writing in a terminal or GUI or what you see fit. The important thing is that we know what character is doing what.

If at any time, a character is alone and does not have a reaction for when they are alone, the story ends in whatever way you want. But make it clear, that it is happening.

If a character dies, they disappear unless anything else is specified. If a character disappears, they can appear again.

All other visualizations and representations are up to you, show us what you got.

Result video

To show your results, you must make a video where you run your program at least 3 times, so that we can see that we end up with different stories.

Characters and their reactions

You will be telling the story of Red Riding Hood.....with an added twist.

Your characters are:

- Red Riding Hood
- Grandmother
- Wolf

- Hunter
- Fairy God Mother

Red Riding Hood

- If she is alone with her grandmother and not with the hunter or the wolf, they will eat pie.
- If she is alone with the hunter, she will start screaming.
- If she is with the wolf, she gives him flowers.
- If there has been 3 reactions in a row and the wolf hasn't appeared, then Red Riding Hood turns into the wolf and now has the reactions of wolf instead.

Grandmother

- If Red Riding Hood is screaming, grandmother appears.
- If she and Red Riding hood is there and the Hunter is there, she kills the hunter (stranger danger). You decide how.
- If she is with the hunter and Red Riding hood isn't there, she gives him a piece of pie.
- If she is with the wolf, she kills him.
- If she is with the fairy god mother, she makes a wish to be with Red Riding Hood and she appears.
- If grandmother alone, she bakes pie.

Wolf

- If wolf is given anything, wolf cries from happiness.
- If wolf is with fairy good mother, wolf makes a wish to eat a child. Fairy good mother gets mad and kills wolf.

Hunter

- If hunter with wolf, hunter kills wolf.
- If grandmother makes pie, hunter follows the smell and appears.

Fairy God Mother

- If none of the current characters have any reactions, she appears and makes everyone disappear. The story ends.
- If anyone eats pie, she appears.