Branching Story

Step 1: Branching Story Flowchart

Create a branching story using a flow chart. Eventually, convert the story into a text-based game.

At least 4 choices

Step 2: Code Used

Code Techniques Used

- input() and print()
- strings
- if statements + elif
  - string conditional statements
  - nested if statements

String Conditional Operators

- s1 == s2
- s1 != s2

Checks for string equivalence between s1 and s2.

Nested If Statements

```
num1 = 20
num2 = 30

if num1 == 20:
    print("num1 is 20")
    if num2 == 30:
        print("num1 is 20 and num2 is 30")
```

```
num1 is 20
num1 is 20 and num2 is 30
```

Syntax

Notice that the second if statement is indented to be under the first. This is a nested if statement.

Nested If Statements

```
num1 = 20
num2 = 10

if num1 == 20:
    print("num1 is 20")
    if num2 == 30:
        print("num1 is 20 and num2 is 30")
```

```
num1 is 20
```

Behavior

The first if statement is true so the first print() call works. The second if is false so it is skipped over.

Nested If Statements

```
num1 = 10
num2 = 30

if num1 == 20:
    print("num1 is 20")
    if num2 == 30:
        print("num1 is 20 and num2 is 30")
```

Behavior

The first if statement is false so it is skipped over INCLUDING the nested if because it is under the first if. This means nothing is printed

Step 3: Coding

We will follow the flowchart we made and translate it into a series of nested if statements and use print() + input() to tell the story.