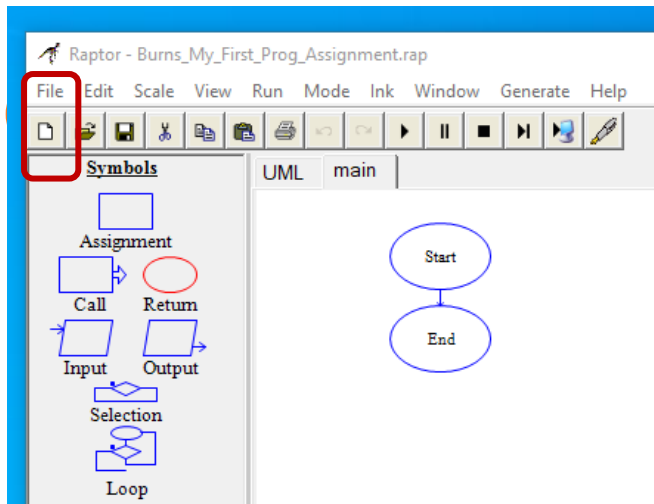


# My 1<sup>st</sup> Programming Assignment

Follow the steps listed below:

- Start Raptor
- Click on the icon “New”
- Save your file:  
Click File, Save As

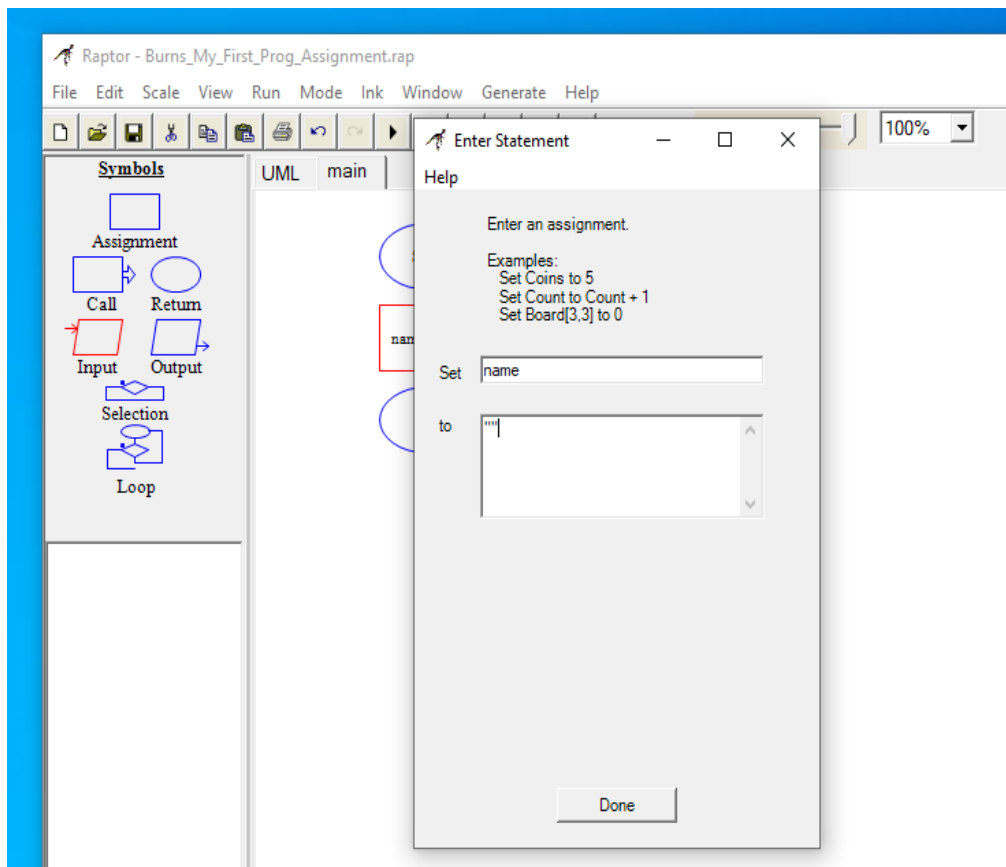


- Select a folder to save to (suggestion – create a CPT 114 folder)
- Save file as Lastname\_My\_First\_Prog Assignment

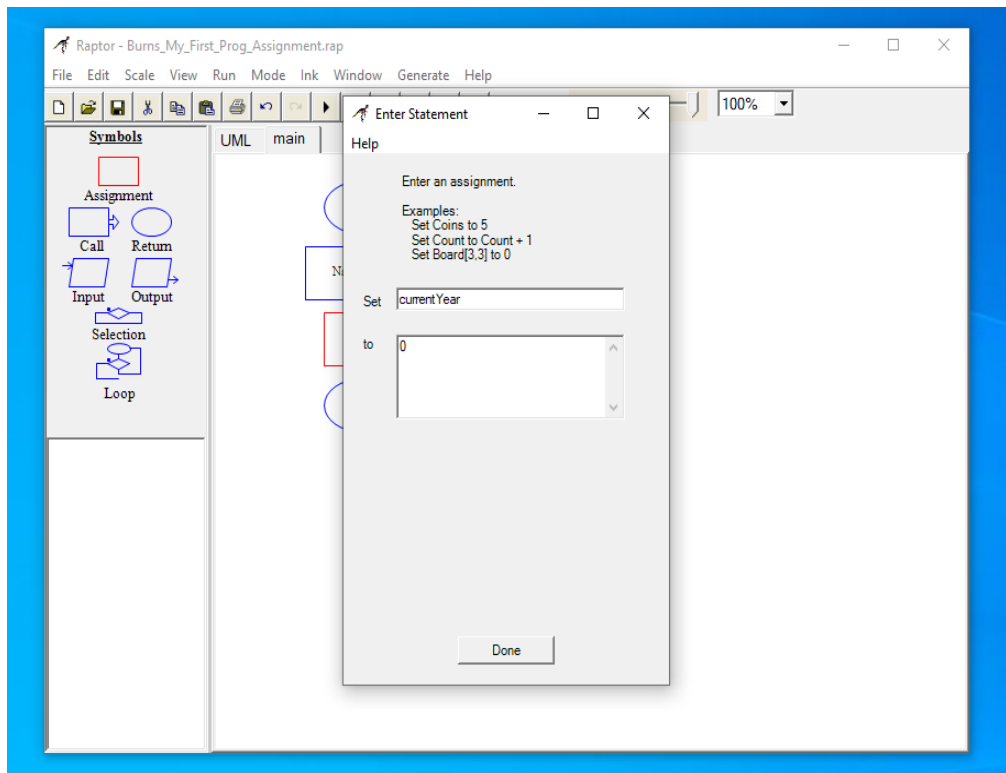
Example: *Burns\_My\_First\_Prog\_Assignment*

## Create variables

- Click on the Assignment box and drag just below ‘Start’
- Double click the Assignment box and set the variable ‘name’ to “” (double quotes)

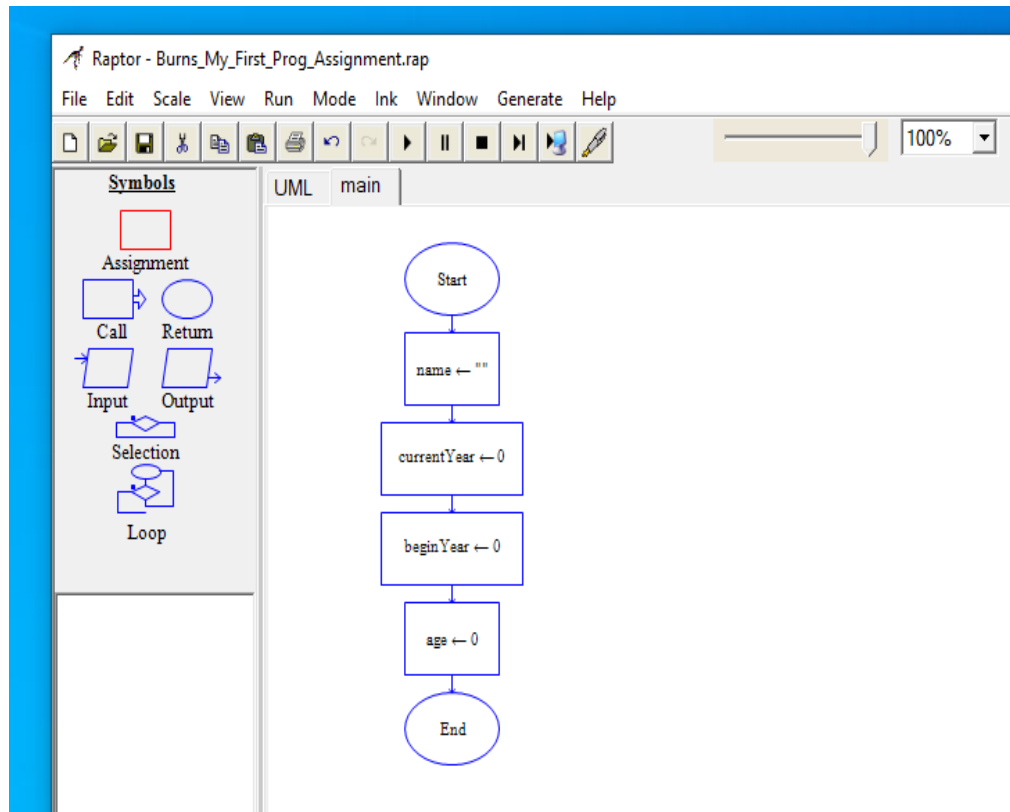


- Create another variable called 'currentYear' (set currentYear to 0)



- Create another variable named 'beginYear' (the same way with a beginning value of zero)

- Create another variable called '*age*' (the same way with a beginning value of zero)



### Create Input:

- Click and drag the 'Input' shape just below the '*age*' variable
- Double click and enter the following prompt: (make sure you include the double quotes)
  - "Hello, and welcome to my first program! Please enter your name."
  - And use the variable '*name*' just below where it states "Enter Variable Here"

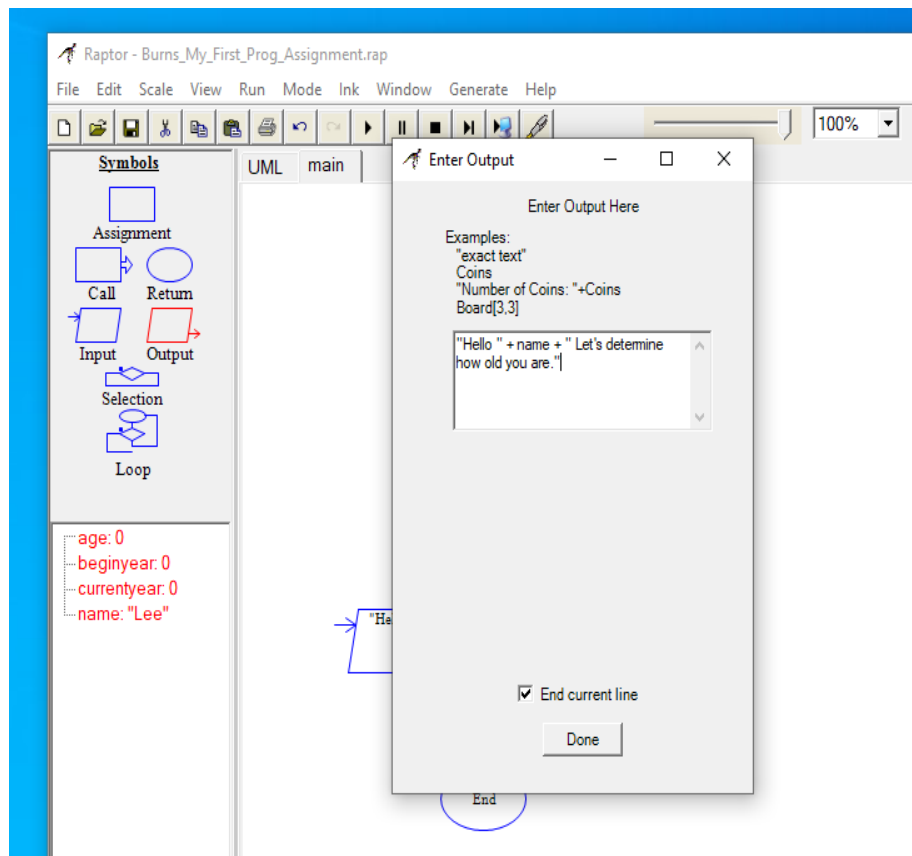
### Create Output:

Click and drag 'Output' shape just below the 'Input' shape

Double click and enter the following: (make sure you include the double quotes)

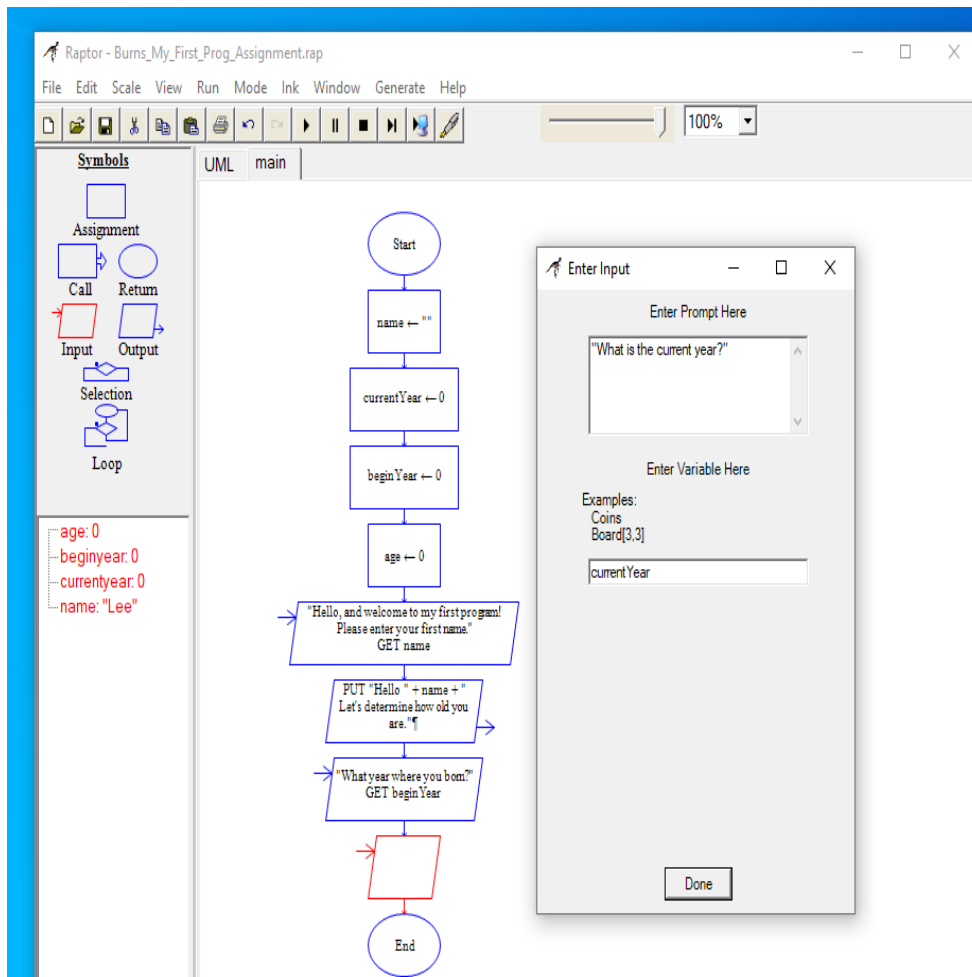
"Hello " + name + " Let's determine how old you are."

Note – when adding variable to output to include text, you need to add the plus sign (+) in between. This is call concatenate. Also please note the spacing after the word "Hello" and before " Let's determine how old you are." That way, the text does not run into the variable.



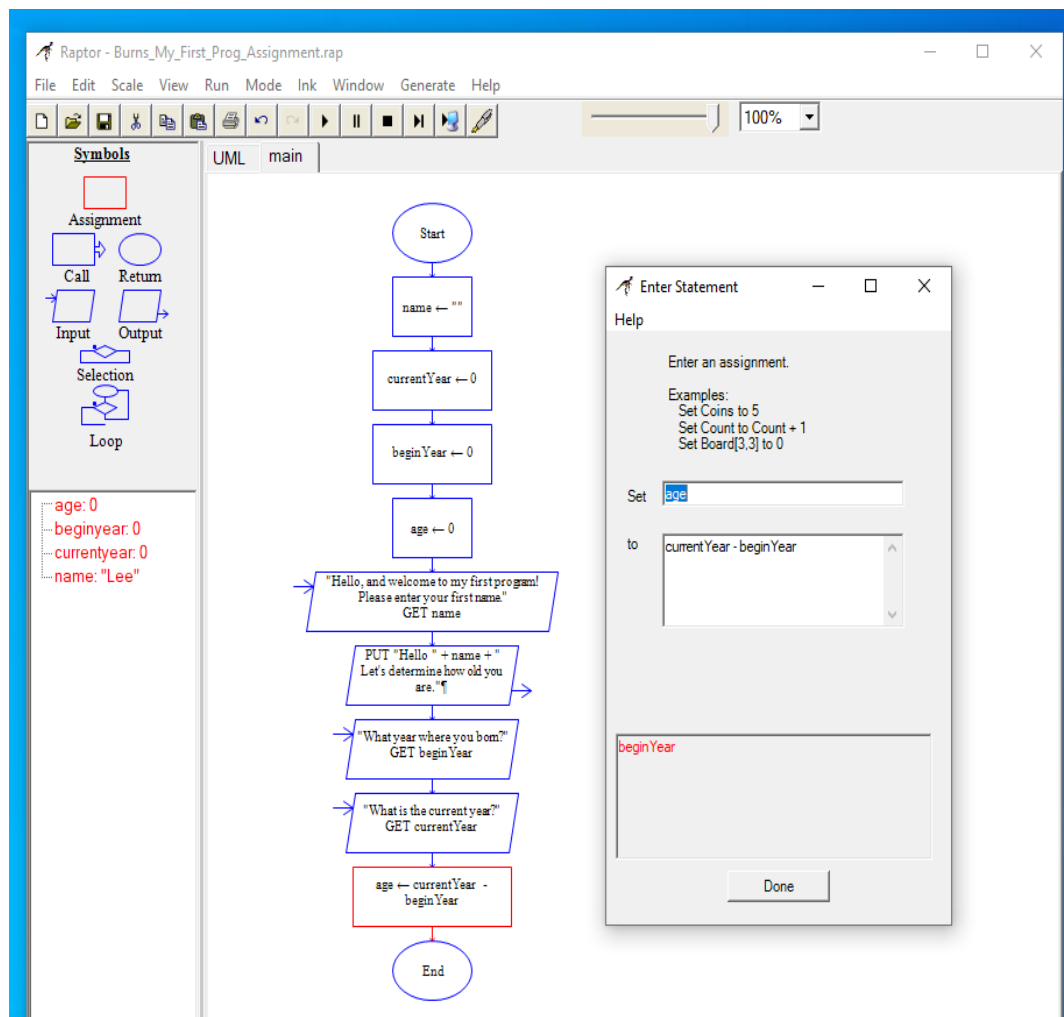
### Create a couple of new 'Inputs'

- Ask the user to enter their birth year – Click and drag the Input shape just below the last output shape. Double click and enter the following:
- “What year where you born?” Enter the variable 'beginYear' where you enter the variable name.
- Do the same for the next input. Enter the following:
  - “What is the current year?” Enter the variable 'currentYear' where you enter the variable name.



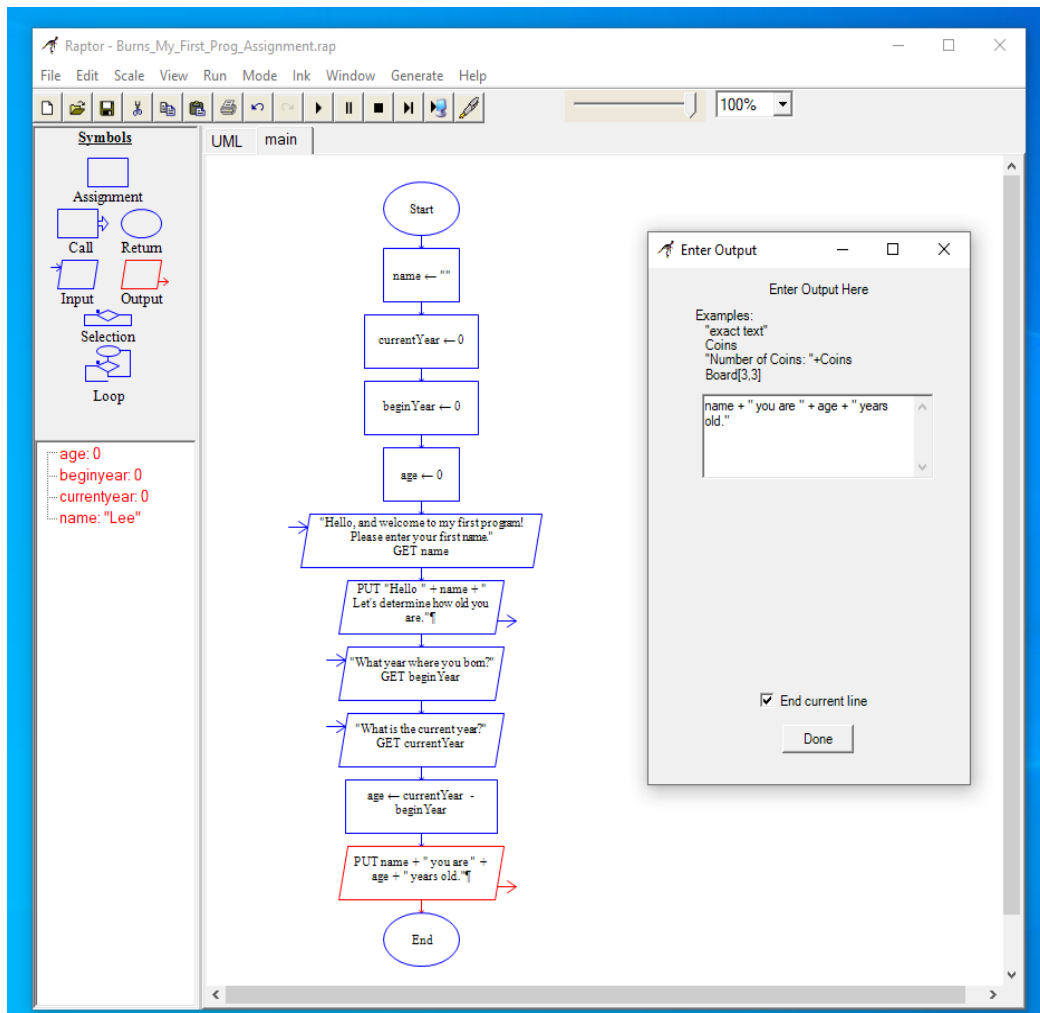
**Create a process (or in this case, a calculation result we can assign to the 'age' variable)**

- Click and drag the Assignment variable to just below the last Input.
- Double click and add the following:
  - Set currentYear – beginYear to the 'age' variable (you are subtracting the current year from the beginning year in order to assign that value to the 'age' variable)



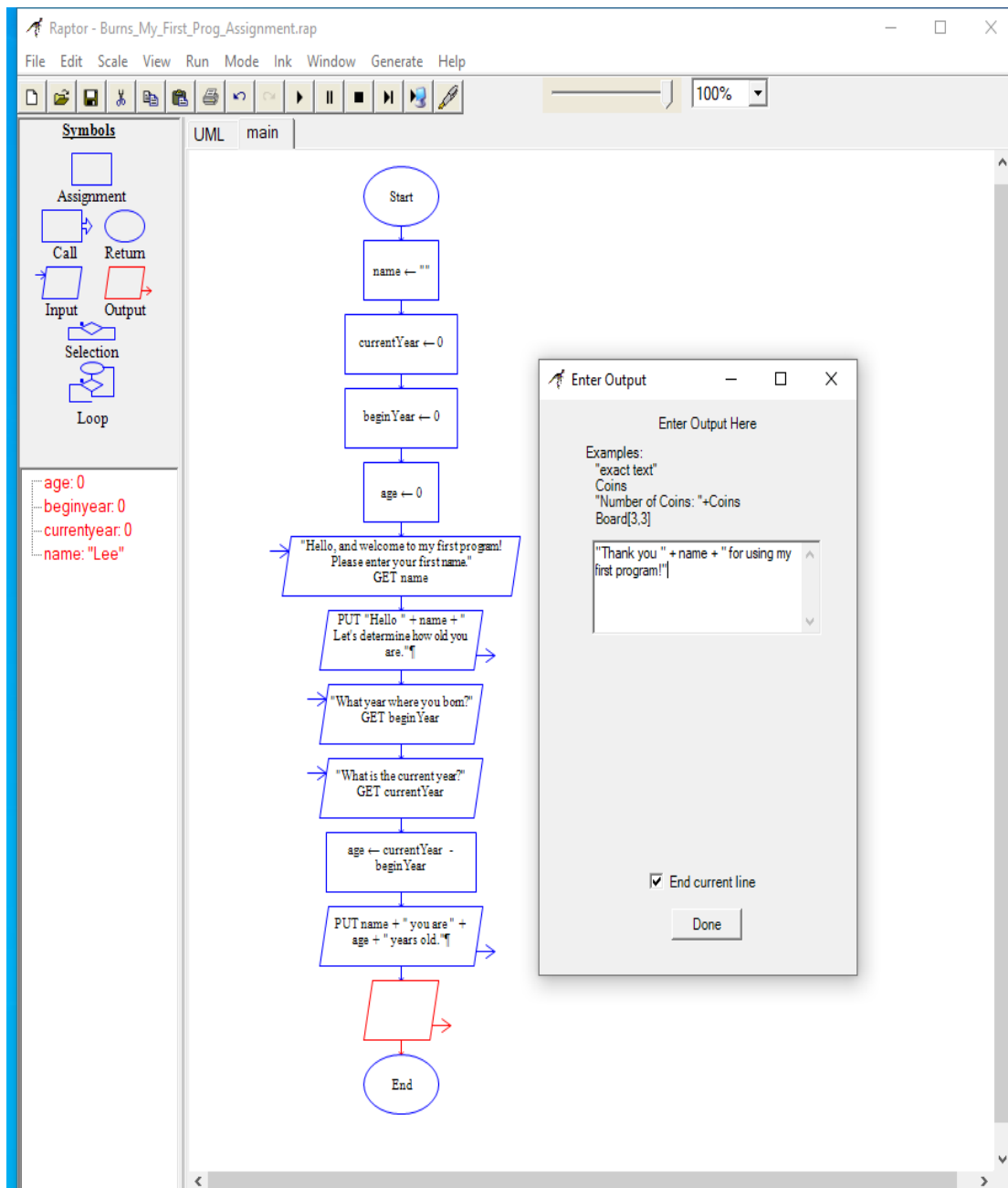
### Create a final 'Output':

- Click and drag the 'Output' shape to below the last 'Assignment'
- Double click and Enter the follow:
- name + " you are " + age + "years old." (note the double quotes, spacing and the plus (+) symbols)

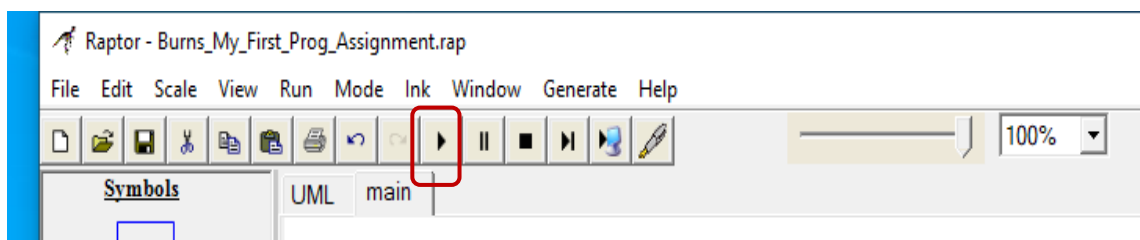


Finally let's add one more 'Output'. Let's thank the user for using your program.

- Click and drag the 'Output' shape just below the last 'Output' and enter the follow:
  - "Thank you " + name + " for using my first program!" (again note the spacing and plus signs)

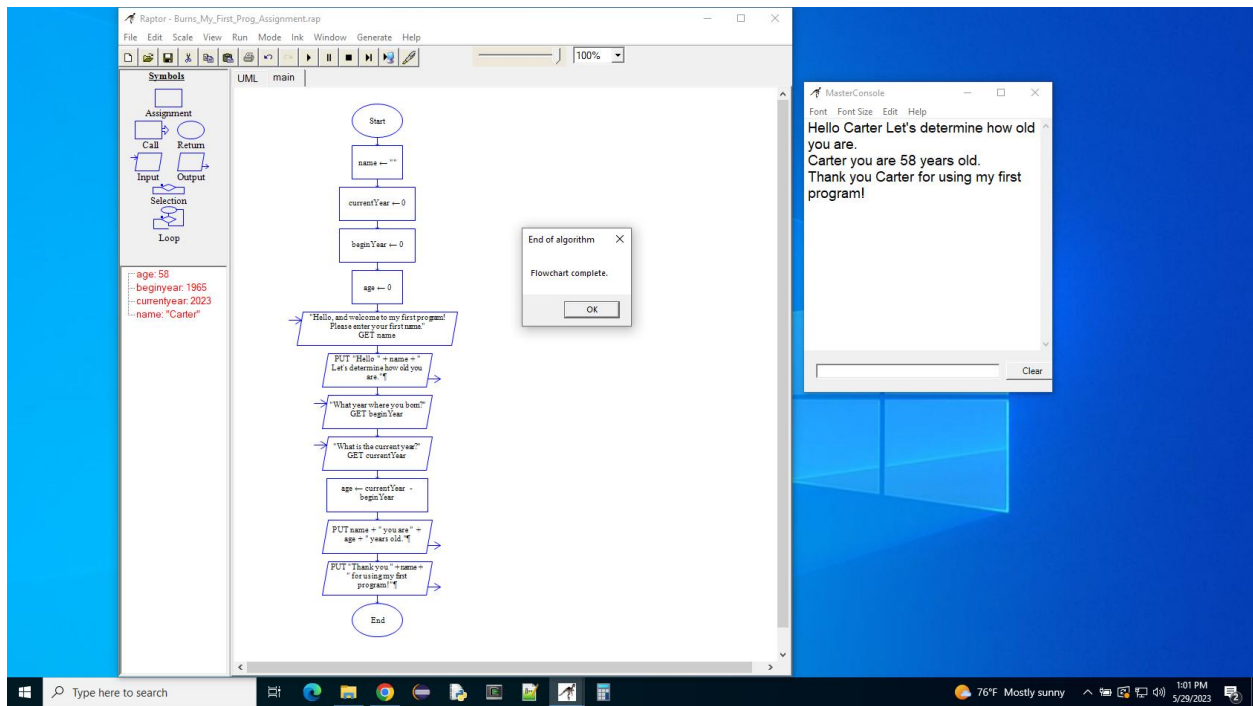


## Run your program



The results should look similar, your inputs of course may be different.





Save your program and then submit the “1<sup>st</sup> Raptor Programming Assignment” dropbox located in Assignments.