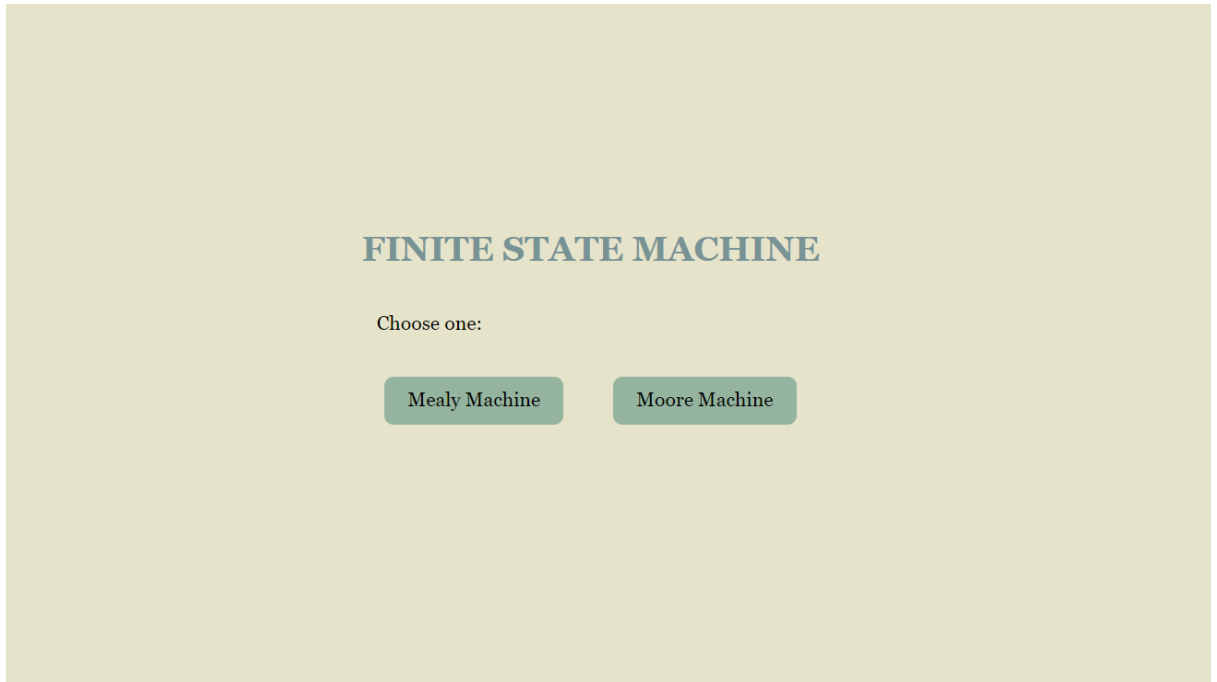


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## Finite State Machine - Connected automata and minimum equivalent

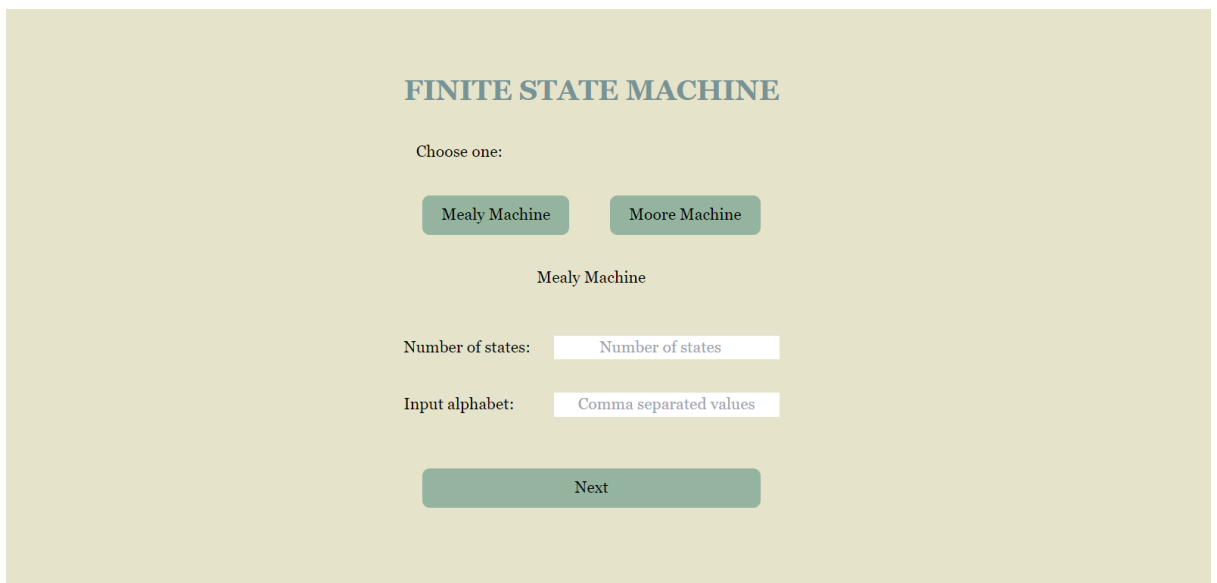
1. Follow the 4 steps mentioned on the README.md
2. Once the program is running, in the browser of their preference, the user will find this page:



A screenshot of a web application interface with a light beige background. At the top center, the text "FINITE STATE MACHINE" is displayed in a bold, dark blue, serif font. Below this, the text "Choose one:" is centered in a small, black, sans-serif font. Underneath, there are two rounded rectangular buttons with a light green gradient. The left button is labeled "Mealy Machine" and the right button is labeled "Moore Machine", both in a black, sans-serif font.

Here, they can choose either a Mealy machine or a Moore machine.

3. Regardless of what they choose, the user will find the following page:



A screenshot of a web application interface with a light beige background. At the top center, the text "FINITE STATE MACHINE" is displayed in a bold, dark blue, serif font. Below this, the text "Choose one:" is centered in a small, black, sans-serif font. Underneath, there are two rounded rectangular buttons with a light green gradient. The left button is labeled "Mealy Machine" and the right button is labeled "Moore Machine", both in a black, sans-serif font. Below these buttons, the text "Mealy Machine" is centered in a small, black, sans-serif font. Further down, there are two input fields. The first is labeled "Number of states:" in a small, black, sans-serif font, followed by a white input box containing the text "Number of states" in a light blue, sans-serif font. The second is labeled "Input alphabet:" in a small, black, sans-serif font, followed by a white input box containing the text "Comma separated values" in a light blue, sans-serif font. At the bottom center, there is a rounded rectangular button with a light green gradient labeled "Next" in a black, sans-serif font.

Here, they will see:

- Again, the 2 options in case they changed their minds and now want to use the other machine.
- A text box where they can write the **number of states**.
- And another text box where they can write the **alphabet**, in this case the values must be separated by a comma (for example: a,b,c,d)

4. If they choose the **Mealy machine**, they will see this page:

### FINITE STATE MACHINE

	f( a )	g(a)	f( b )	g(b)
A				
B				
C				
D				
E				

Reduce table

In this case, there are two columns for each letter of the alphabet. These letters are in a parenthesis next to the letter **f** and the letter **g**, where **f** is the state transition function and **g** is the output function.

5. But, if they choose the **Moore machine**, they will see this page:

## FINITE STATE MACHINE

	<b>f(a)</b>	<b>f(b)</b>	<b>h</b>
A			
B			
C			
D			
E			

Reduce table

In this case, there is one column for each letter of the alphabet. These letters are in a parenthesis next to the letter **f**, where **f** is the state transition function and at the end is the column **h**, where **h** is an output function.

In both cases they can write the inputs inside the boxes. And finally, after pressing the button, the user will find a page with the final automata.