

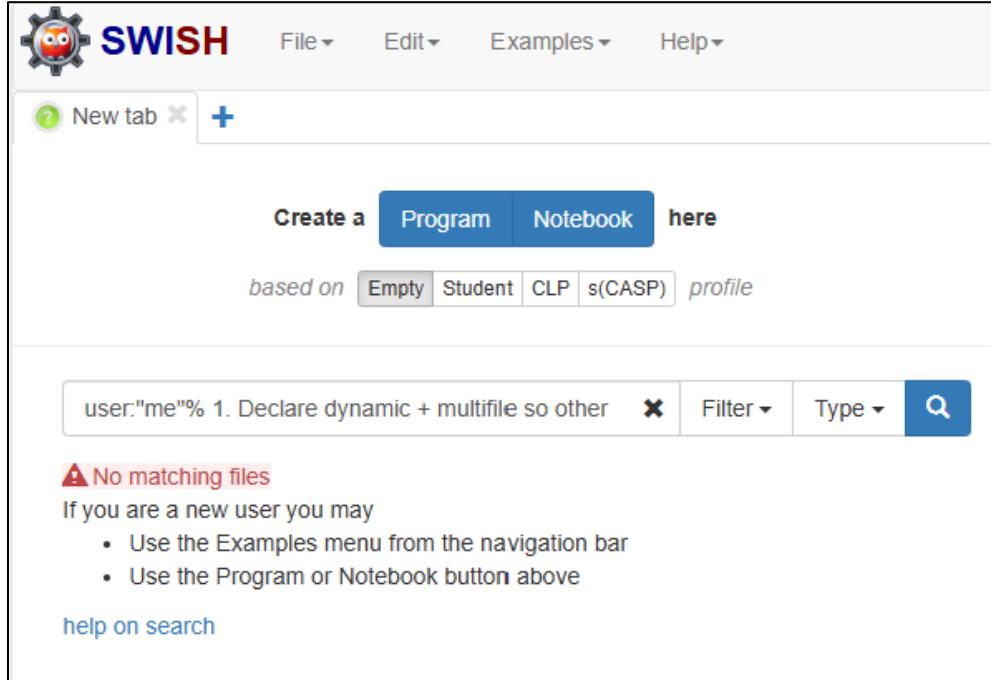
## Instructions for running manhattan.pl

Get the contexts of:

[https://github.com/MapRock/assemblage-of-artificial-intelligence/blob/main/src/products\\_of\\_system\\_2/manhattan\\_cocktail.pl](https://github.com/MapRock/assemblage-of-artificial-intelligence/blob/main/src/products_of_system_2/manhattan_cocktail.pl)

Navigate to the prolog test site: <https://swish.swi-prolog.org/>

Click Program:



Paste the content of manhattan\_cocktail.pl:



The screenshot shows a SWISH interface with a program editor window. The URL in the address bar is https://swish.swi-prolog.org. The window title is "Program". The code in the editor is:

```
1 manhattan_type(classic).
2 manhattan_type(dry).
3 manhattan_type(perfect).
4
5 vermouth_for(classic, sweet_vermouth).
6 vermouth_for(dry, dry_vermouth).
7 vermouth_for(perfect, half_sweet_half_dry).
8
9 base_for_manhattan(rye_whiskey).
10
11 bitters_for_manhattan(angostura_bitters).
12
13 garnish_for_manhattan(maraschino_cherry).
14
15 % Copy manhattan_options.pl and manhattan_cocktail.pl to c:/temp/.
16
17 recipe_steps(Type, Steps) :-
18     base_for_manhattan(Base),
19     vermouth_for(Type, Vermouth),
20     bitters_for_manhattan(Bitters),
21     garnish_for_manhattan(Garnish),
22
23     Steps = [
24         add(2, oz, Base),
25         add(1, oz, Vermouth),
26         add('2-3', dashes, Bitters),
27         fill_with(ice),
28         stir('20-30_seconds'),
29         strain(into_glass),
30         garnish(Garnish)
31
32     ].|
```

Towards the lower right, enter the test query:

- **recipe\_steps(classic, Steps)**
- **recipe\_steps(dry, Steps)**

Click Run:

The screenshot shows a Prolog interface with several windows and a query input field.

- Top Window:** Shows a query `recipe(dry,Steps)`. The response is: `procedure `recipe(A,B)' does not exist`.
- Second Window:** Shows a query `recipe_steps(dry,Steps)`. The response is:  
**Steps =**  
[`add(2.oz,rye_whiskey), add(1.oz,dry_vermouth), add('2-3',dashes,angostura_bitters), fill_with(ice), stir('20-30_seconds'), strain(into_glass), garnish(maraschino_cherry)]`
- Third Window:** Shows a query `recipe_steps(classic ,Steps)`. The response is:  
**Steps =**  
[`add(2.oz,rye_whiskey), add(1.oz,sweet_vermouth), add('2-3',dashes,angostura_bitters), fill_with(ice), stir('20-30_seconds'), strain(into_glass), garnish(maraschino_cherry)]`
- Query Input Field:** Contains the query `?- recipe_steps(classic ,Steps)`, with `classic` and `Steps` highlighted in blue.
- Bottom Navigation:** Buttons for `Examples`, `History`, `Solutions`, a checkbox for `table results`, and a `Run!` button.