




module-2 >  daily_routine_planner.py >  make_smoothie

```
1  # Name: Nima Memarzadeh
2  # Date: 10/23/2024
3  # Assignment: Module 2.2
4
5  """
6  |   This program is a daily routine planner.
7  |   """
8
9  def get_yes_no_input(prompt):
10     """Helper function to get a valid yes/no input from the user."""
11     while True:
12         response = input(prompt).strip().lower()
13         if response in ['yes', 'no']:
14             return response
15         else:
16             print("Invalid input. Please enter 'yes' or 'no'.")
17
18  def make_smoothie():
19     """Decides the ingredient for the smoothie."""
20     banana_available = get_yes_no_input("Do you have a banana? (yes/no): ")
21     if banana_available == 'yes':
22         print("Using banana for smoothie.")
23     else:
24         print("Using oats for smoothie.")
25     print("Drink smoothie.")
26
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module-2 >  daily_routine_planner

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```

VARIABLES

Locals

- banana_check = 'yes'
- (return) get_yes_no_input = 'yes'

Globals

WATCH

banana_available = NameError: name 'banana_available' i...

CALL STACK Paused on step

make_smoothie	daily_routine_planner.py	21:1
daily_routine	daily_routine_planner.py	69:1
main	daily_routine_planner.py	79:1
<module>	daily_routine_planner.py	83:1

[Load More Stack Frames](#)

```
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25     print("Drink smoothie.")
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27  def setup_study_sessions():
28     """Sets up the number of study sessions based on whether it's a workday."""
29     is_workday = get_yes_no_input("Is it a workday? (yes/no): ")
30     if is_workday == 'yes':
31         return 4 # Set up 4 study sessions for a workday
32     else:
33         return 5 # Set up 5 study sessions for a non-workday
34
35  def study_routine(max_sessions):
36     """Handles the study routine."""
```

VARIABLES

- Locals**
 - special variables
 - banana_check = 'yes'
 - (return) get_yes_no_input = 'yes'
 - Globals
- WATCH**
- CALL STACK**
 - name 'banana_available' is not defined
 - make_smoothie daily_routine_planner.py (21:8)
 - daily_routine daily_routine_planner.py (69:5)
 - main daily_routine_planner.py (79:5)
 - <module> daily_routine_planner.py (83:5)

```
module-2 > daily_routine :: |D> ↕ ↑ ↻ □ lothie
1 # Name: Nima Memarzaden
2 # Date: 10/23/2024
3 # Assignment: Module 2.2
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7 """
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```

Exception has occurred: NameError ×
name 'banana_available' is not defined
File "/Users/nimamemarzadeh/Desktop/believue/advance py/CSD-325/module-2/daily_routine_planner.py", line 21, in make_smoothie
if banana_available == 'yes':
^^^^^^^^^^^^^^^^
File "/Users/nimamemarzadeh/Desktop/believue/advance py/CSD-325/module-2/daily_routine_planner.py", line 69, in daily_routine
make_smoothie()
File "/Users/nimamemarzadeh/Desktop/believue/advance py/CSD-325/module-2/daily_routine_planner.py", line 79, in main
daily_routine()
File "/Users/nimamemarzadeh/Desktop/believue/advance py/CSD-325/module-2/daily_routine_planner.py", line 83, in <module>
main()
NameError: name 'banana_available' is not defined

This screenshot shows that an error was raised by changing the variable to `banana_check` as shown below; That shows how exactly the debugger pointed out the error and the call stack which pointed to the inception of the error.

Locals

banana_available = 'yes'
(return) get_yes_no_input = 'yes'

Globals

WATCH

CALL STACK

Paused on step

make_smoothie

daily_routine_planner.py

21:1

daily_routine

daily_routine_planner.py

69:1

main

daily_routine_planner.py

79:1

<module>

daily_routine_planner.py

83:1

Load More Stack Frames

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3 # Assignment: Module 2.2
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33         return 5 # Set up 5 study sessions for a non-workday
34
35 def study_routine(max_sessions):
36     """Handles the study routine."""
37     study_sessions = 0
38     while study_sessions < max_sessions:
39         print(f"Study session {study_sessions + 1}: Studying for 50 minutes.")
40         print("Break for 10 minutes.")
41         study_sessions += 1
42
43     return study_sessions
```

The screenshot displays a Python IDE with a debugger interface. On the left, there are three panels: **Locals**, **WATCH**, and **CALL STACK**. The **Locals** panel shows variables `prompt = 'Do you have a banana? (yes/no): '` and `response = 'yes'`. The **WATCH** panel is empty. The **CALL STACK** panel shows the current execution state, with `get_yes_no_input` at line 14:1, `make_smoothie` at line 20:1, `daily_routine` at line 69:1, `main` at line 79:1, and `<module>` at line 83:1. A red dot indicates the current step is paused on line 14:1. Below the call stack is a link to [Load More Stack Frames](#).

The main code editor on the right shows the following Python code:

```
1 # Name: Nima Memarzadeh
2 # Date: 10/23/2024
3 # Assignment: Module 2.2
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43     return study_sessions
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```

This screenshot serves as proof that the issue is resolved. I changed the variable name, as well as the program was operated beyond the error point, so debugging was successful.