

■ Lesson 5 Worksheet: Naming What Matters

****Student Name:**** _____

****Date:**** _____

Part 1: Fill Out the Form

Think of this form like the computer's memory. Each field is a place where the computer stores information. Fill it out with your real or made-up information.

| Variable Name | Description | Your Value |

|-----|-----|-----|

| `name` | Your first name | _____ |

| `age` | Your age in years | _____ |

| `school` | The name of your school | _____ |

| `favorite_color` | Your favorite color | _____ |

| `has_pet` | Do you have a pet? (Yes/No) | _____ |

Part 2: Ask the Computer

If you typed each line above into the computer, what would happen if you then typed the word `name` and hit enter?

What would the computer “say” back to you?

****Answer:**** _____

Do the same for two more variables:

- If you typed `age` → _____

- If you typed `favorite_color` → _____

Part 3: The Envelope Game

Imagine each of your variables is written on the outside of an envelope. Inside is a slip of paper with the value. You can take it out or replace it at any time.

1. What would happen if you changed the value of `age` from 12 to 13?

- ****What should the new envelope say inside?**** _____

2. Let's pretend your favorite color changes:

- ****Old value:**** _____

- ****New value:**** _____

Write the new line of code to update the color:

```
```python
```

```
favorite_color = "_____"
```

```
```
```

Part 4: Reflection

Why do you think we give our variables **names** instead of just calling them “box1”, “box2”, etc.?

If someone else had to read your variable values, how would naming them help?

(Optional) Your “Git Commit” Prompt

At the beginning of this lesson, you may not have known what a variable was.

Now:

- What do you know that you didn't know before?
- What value did this lesson store in your brain?

■ **Write your memory snapshot below (like a message to your future self):**

...

Today I learned...

...