**Exercise | Python Basic Syntax**

**Topic:** Python Syntax Basics  
**Time Allotted:** 40 Minutes  
**Objective:**  
 Understand the basic structure and rules (syntax) in Python and identify common syntax mistakes.

**🧠 What Is Syntax?**

**Syntax** is how we write code correctly — like grammar for a programming language.  
 If the **syntax is wrong**, Python will show an error and stop running your program.

**🧱 Basic Python Syntax Rules**

* Use **colons :** for blocks (like after if, for, while)
* **Indent** inside blocks (usually 4 spaces)
* Strings must be inside **quotes** (" " or ' ')
* Use \*\*()\*\* for functions like print()`
* Statements must be in the **correct order**

**💻 Sample Code: Fix-It Version**

Here’s a broken program. Your first task is to **fix it** so it runs correctly.

|  |
| --- |
| Python name = "Jordan age = 18 if age > 17 print("Welcome", name) |

**🛠️ Your Fix:**

1. Find and fix the 3 **syntax errors** in the code above.
2. Test it in VS Code.
3. Paste your corrected version below:

|  |
| --- |
| name = str(input("Enter your name: ")) # Input user's name  age = int(input("Enter your age: ")) # Input user's password  if age > 17: # Age checker  print("Welcome to Mobile Legends",name+"!")  else:  print("Dark System ka",name+"!") |

**🔍 Next: Choose 2–3 Challenges Below**

🔲 **Create your own error:** Delete a quote, a parenthesis, or a colon — what error shows up?  
 🔲 **Write your own version:** Create a short welcome script using name, age, and if  
 🔲 **Mix it up:** Add a second condition using elif or else  
 🔲 **Wrong indent challenge:** Remove an indent — what happens? Try fixing it.  
 🔲 **Comment it out:** Add comments using # to explain each line

**🖼️ Screenshots**

* Screenshot of **corrected code**

A screenshot of a computer

AI-generated content may be incorrect.

* Screenshot of **output**

A computer screen with white text

AI-generated content may be incorrect.

* Optional: Screenshot of **error message** you tried to produce

A computer screen shot of a program code

AI-generated content may be incorrect.

**🤔 Reflection Questions**

1. What kind of syntax mistake did you find most confusing?  
    ✎ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What helped you understand how Python reads your code?  
    ✎ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Why is indentation important in Python?  
    ✎ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_