

AI Python Code Reviewer

Submit your Python code below for analysis and improvements.

Paste your Python code here:

```
age=int(input("Enter your age:"))
if age>=18
print("You can vote.")
else:
print("You can't vote.")
```

Review Code

Code Review & Suggestions:

Okay, I've reviewed the Python code you provided. Here's an analysis with suggestions for improvement:

Issues and Improvements:

- Missing Colon in `if` statement:** The primary issue is a syntax error. The `if` statement is missing a colon (`:`) at the end of the condition. This will cause a `SyntaxError`.
- Indentation Error:** The `print` statements within the `if` and `else` blocks are not properly indented. Python relies on indentation to define code blocks.

Corrected Code:

```
age = int(input("Enter your age: ")) # Added a space after the prompt for better

if age >= 18: # Added a colon here
    print("You can vote.") # Corrected indentation
else:
    print("You can't vote.") # Corrected indentation
```

Explanation of Changes:

- **Colon Added:** The colon (:) after `if age >= 18` is essential for the `if` statement's syntax. It signals the beginning of the code block that will be executed if the condition is true.
- **Indentation Corrected:** The `print` statements are indented (typically by four spaces) to indicate that they belong to the `if` and `else` blocks.

Further Potential Enhancements (Optional):

While the corrected code is functional, here are some minor stylistic enhancements that could be considered:

1. **Input Validation (Robustness):** The code currently assumes the user will enter a valid integer. You might want to add error handling to gracefully handle cases where the user enters non-numeric input.

```
while True:
    try:
        age = int(input("Enter your age: "))
        break # Exit the loop if the input is valid
    except ValueError:
        print("Invalid input. Please enter a valid integer for your age.")

if age >= 18:
    print("You can vote.")
else:
    print("You can't vote.")
```

2. **String Formatting (Readability):** For more complex output, consider using f-strings (formatted string literals) for better readability, especially if you were including the age in the output. In this simple case, it's not really necessary, but it's a good practice to be aware of.

Complete Enhanced Code (with Input Validation):

```
while True:
    try:
        age = int(input("Enter your age: "))
        if age < 0:
            print("Age cannot be negative. Please enter a valid age.")
        else:
            break # Exit the loop if the input is valid and non-negative
    except ValueError:
        print("Invalid input. Please enter a valid integer for your age.")
```

```
if age >= 18:  
    print("You can vote.")  
else:  
    print("You can't vote.")
```

This version includes input validation to handle non-integer input and also checks for negative age values, making the code more robust.