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|  | **BATCH:06 Name :chilukamari bhavya id:2403A51109**  **Task Description#1**   * Paste a function with a missing colon (add(a, b)), and let AI fix the syntax error.     CODE:    FIX OF ERROR:  It must end with a colon (:).  **Expected Output#1**   * Corrected function with syntax fix     **Task Description#2 (Loops)**   * Identify and fix a logic error in a loop that causes infinite iteration.     **CODE:**    **FIXERROR:**  **The loop condition is while n >= 0.**  **Inside the loop, n += 1 makes n increase forever, so it never becomes less than 0 → infinite loop**  **Expected Output#2**   * AI fixes increment/decrement error     **Task Description#3**   * Debug a runtime error caused by division by zero. Let AI insert try-except.     **CODE:**    **FIXERROR:**  **This will raise a ZeroDivisionError at runtime because b = 0.**  **In Python, division by zero is not allowed**  **Expected Output#3**   * Corrected function with safe error handling     **Task Description#4**   * Provide a faulty class definition (missing self in parameters). Let AI fix it     **CODE:**    **FIXERROR:**  **In Python, instance methods (including \_\_init\_\_) must include self as the first parameter.**  **Without self, Python doesn’t know which object’s attributes (length and width) to assign.**  **Expected Output#4**   * Correct \_\_init\_\_() method and explanation   **-**  **Task Description#5**   * Access an invalid list index and use AI to resolve the Index Error.     **CODE:**  **Fix 1: Check index before accessing**    **Fix 2: Use try-except**    **Fix 3: Safe access with default value**    **FIXERROR:**  **IndexError: list index out of range**  **Expected Output#5**   * AI suggests checking length or using safe access logic   **Fix 1: Check index before accessing:**    Fix 2: Use try-except:    Fix 3: Safe access with default value: |  |