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**Faculty of AI**

**(Report about multiprocessing)**

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The issue with **multiprocessing** in **Anaconda** is related to the way **interactive interpreters** handle it.

First we need to know **limitation** and **Behavior** of interactive interpreter

1. **Interactive Interpreter Limitations**:
   * When using **multiprocessing** in an **interactive environment** (like Spyder’s IPython console , jupyter), and this [limitation is documented in the Python documentation](https://stackoverflow.com/questions/52763746/python-multiprocessing-issue-in-windows-and-spyder) ( <https://docs.python.org/2/library/multiprocessing.html#windows> )
   * Specifically, **multiprocessing** might not function correctly in an interactive interpreter.
2. **interactive interpreter Behavior:**
   * interactive interpreter **redirects** (standard output) in its IPython console.
   * And **Windows does not support forking**, that mean a new child process won’t print into the interactive interpreter console.
   * Due to this behavior, you won’t see the expected output when using **multiprocessing** within interactive interpreter’s IPython console.
3. **Some solutions to use multiprocessing:**
   * **Use External Terminal**: One workaround is to run your code in an **external terminal** (such as Command Prompt.)
   * **We can also use vs code directly without** jupyter or conda package