```
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct  2 2023, 13:03:39) [MSC v.1935 64 bit
(AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART:
C:/Users/Admin/AppData/Local/Programs/Python/Python312/Hypothesis_Testing.py
Critical Value Method Output
Lower Bound= 71.28
Upper Bound= 78.72

Sample mean lies inside the critical range.
Conclusion=Fail to reject H0 (Institute claim is accepted)
```