



```
mirror_mod.use_y = True
mirror_mod.use_z = False
elif_operation = "MIRROR_Z":
mirror_mod.use_x = False
mirror_mod.use_y = False
mirror_mod.use_z = True

#selection at the end -add back the deselected mirror modifier object
mirror_ob.select= 1
modifier_ob.select=1
bpy.context.scene.objects.active = modifier_ob
print("Selected" + str(modifier_ob)) # modifier ob is the value of
#mirror_ob.select
#name = bpy.context.selected_objects[0].name
#name = modifier_ob.name
```



# Scaling Humans with Artificial Intelligence (Shai) Experience Efficiencies through Code Refactoring

Government agencies are faced with the dilemma of out dated and non-supported code within major citizen facing or internal systems. Programs leveraging older languages, such as Cobol, or written in languages now owned by foreign companies, such as PowerBuilder, must be refactored for modernization and security. Past refactoring efforts relied on humans to rewrite the code, but there is a better way leveraging artificial intelligence (AI) capabilities.

## Benefits of Refactoring

Code refactoring provides a number of benefits, including:



- More reliable code
- Easy test features
- Modern and secure
- Code size reduction
- Easy maintenance
- Improved design

However, the cost of not refactoring code far outweighs the benefits.

Code refactoring typically occurs in one of three ways:

1. Humans are hired to dive into the code, understand what is there and then rewrite it.
2. Code translators are used to modernize code into any language, usually with high levels of success.
3. Code intent is discovered through machine learning and code is rewritten to match the intent.

Understanding the greater efficiencies your organization can achieve with Shai Code Refactoring will make your decision to begin the process much easier.

Advantages include:

- Turnaround time in mere weeks, depending on lines of code
- Full documentation of the newly refactored code
- New, fully functioning output mirroring the old interface or using a completely new user interface (UI)
- Fully compliant, scalable and secure code
- Far less costly than human labor efforts

Shai Code Refactoring can make a significant difference in your organization, particularly if you are planning a transition from old code to a modern solution. When the refactoring work is completed, you will have a modernized code base, a scalable solution and a UI that equips your organization for the future.

Agile methodology will drive the project work and sprint updates will keep you informed along the way. Leveraging AI in code refactoring provides an intelligent method to modernize your software systems.

To schedule a demo please contact:

✉ [getshai@nciinc.com](mailto:getshai@nciinc.com)

☎ 1-703-707-6900

