Project on Calculator

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INTRODUCTION:

This project is about a scientific calculator which is an electronic calculator, either desktop or handheld, designed to perform calculations using basic (addition, subtraction, multiplication, division) and complex (trigonometric, hyperbolic, etc.) mathematical operations and functions. They have completely replaced slide rules and are used in both educational and professional settings.

LANGUAGE & TOOLS:

In this project, we have used Python Language to create a scientific calculator because Python has few keywords, simple structure and a clearly defined syntax, which allows student to pick up the language easily. It's more clearly defined and visible to eyes. Python's source code is fairly easy to maintain.

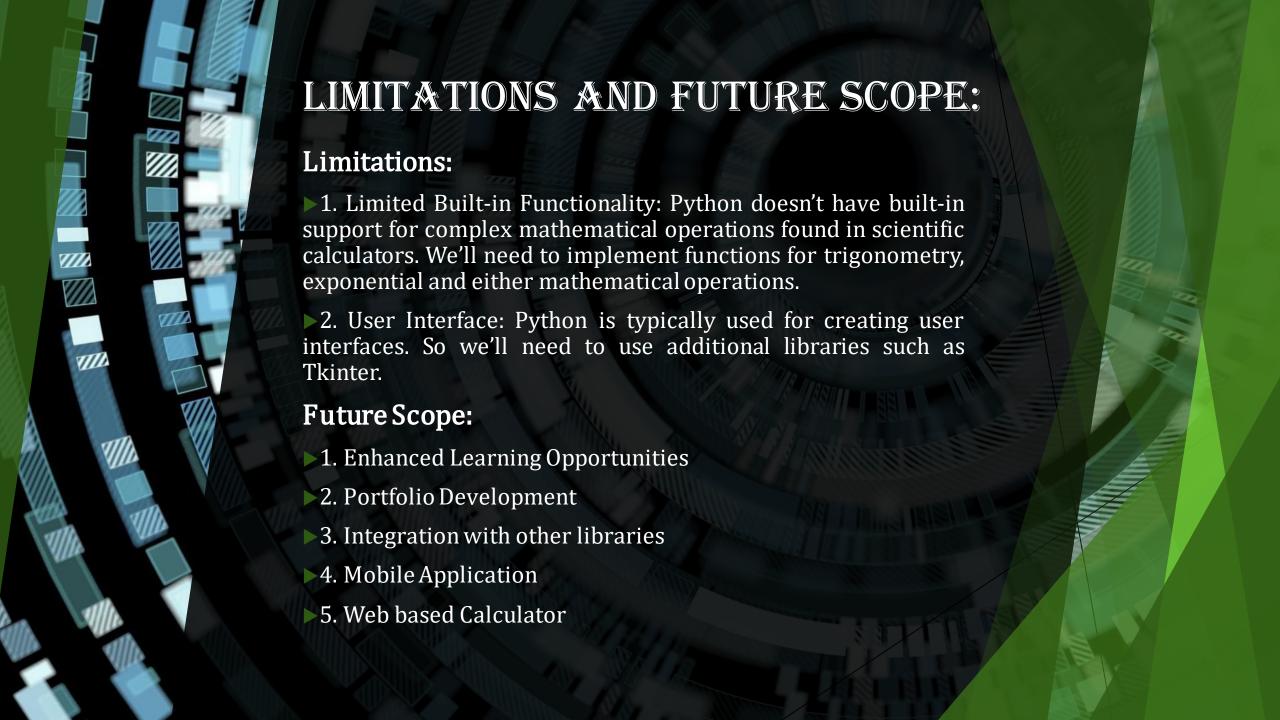
```
mirror object to mirror
mirror_mod.mirror_object
 peration == "MIRROR_X":
irror_mod.use_x = True
mirror_mod.use_y = False
!rror_mod.use_z = False
 _operation == "MIRROR_Y"
lrror_mod.use_x = False
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  _operation == "MIRROR_Z"
  rror_mod.use_x = False
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 melection at the end -add
   ob.select= 1
   er ob.select=1
  ntext.scene.objects.action
  "Selected" + str(modifier
   irror ob.select = 0
  bpy.context.selected_obj
  lata.objects[one.name].sel
 int("please select exaction
  --- OPERATOR CLASSES ----
    vpes.Operator):
     mirror to the selected
   ject.mirror_mirror_x"
  ext.active_object is not
```

SYSTEM FEATURES:

- ▶ 1. Basic Arithmetic Operations: (+,-,*,/)
- ≥ 2. Trigonometric Functions: (sin),(cos), (tan)
- ▶ 3. Logarithmic and Exponential Functions: (log), (ln),(e).
- ► 4.Root and Power Functions: (\sqrt{x}) , (x^y) (x^3) .
- > 5. Constants: pi (π) , (2π) .

- ► 6.Angle Unit Conversion: degrees and radians.
- ► 7.Parentheses Support: [(,)]
- 8. Advanced Functions: $(x!, \theta)$
- ▶ 9.Clear Functions: C- clear one by one, CE- clears whole digits.





GitHub Repository Link