The background is a dark blue-grey gradient. In the top-left corner, there are two overlapping geometric shapes: a blue parallelogram and a light green parallelogram. In the top-right corner, there is a grey, 3D-rendered circuit board pattern. In the bottom-left corner, there is a circular inset showing a detailed, high-resolution image of a printed circuit board (PCB) with various electronic components.

Programming Languages - Python Interpreter

Agenda

Project Overview
Approach
Project Timeline
Improvements
Demo





Project Overview



- Create an interpreter of Python that is written in Python
- Be able to:
 - call and edit variables
 - call basic function and loops
 - Identify Strings and Integers
 - Have Python like indentation

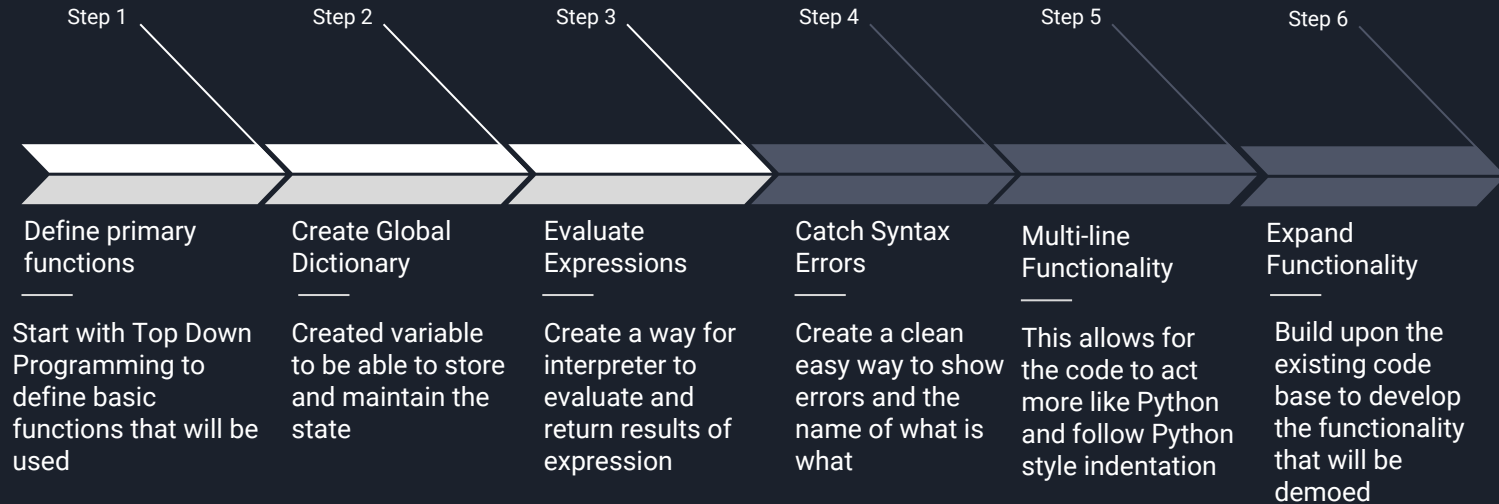


Approach

- 01 Understand Python Language and figure out the methods to develop for the project
- 02 Create code using Top Down Programming methodology to create functions and classes
- 03 Test, Optimize, and improve



Project Steps





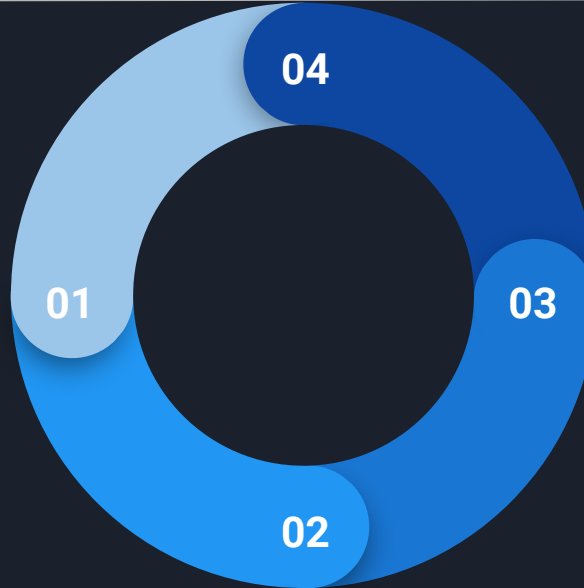
Key Implementations

Multi-Line

Allow the code to operate using multi-line functionality

If Statements

Program if and if/else statement to allow for more complex functionality



Dynamic Variables

Allow variables to be called names and updated with simple commands

Loops

Create loops to be able to run more complex functions

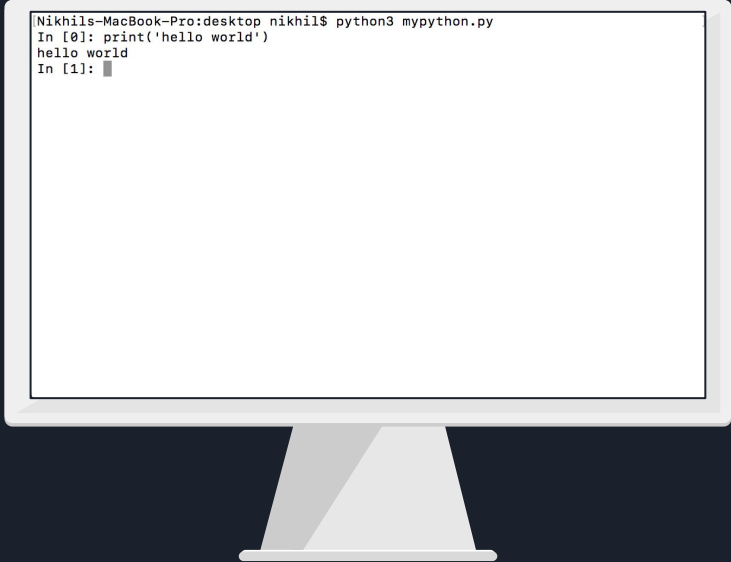


Demo

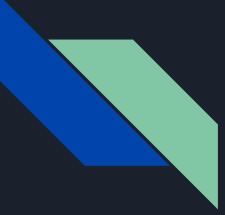
Showcase of the work that has been done

Steps To Open and Run:

- In command line run the code 'python3 mypython2.py'
- Run code as if it was python
- To execute code: "RUN <enter>"



```
Nikhils-MacBook-Pro:desktop nikhil$ python3 mypython.py
In [0]: print('hello world')
hello world
In [1]:
```



Thank you!

