

Create Table Using Tkinter

Welcome to this comprehensive guide on creating tables using Tkinter. In this presentation, we will explore the step-by-step process, from setting up the root window to populating data and styling the table.



What is Tkinter?

Tkinter is a Python library that allows developers to create graphical user interfaces (GUIs) easily. It provides a set of tools and widgets for building interactive applications.

Purpose of Creating a Table

Tables are commonly used to present structured data in a clear and organized manner. They offer a convenient way to display information, making it easier for users to understand and analyze.

Code:

```
# Python program to create a table

from tkinter import *

class Table:

    def __init__(self,root):

        # code for creating table
        for i in range(total_rows):
            for j in range(total_columns):

                self.e = Entry(root, width=20, fg='blue',
                               font=('Arial',16,'bold'))

                self.e.grid(row=i, column=j)
                self.e.insert(END, lst[i][j])

# take the data
lst = [(1,'Raj','Mumbai',19),
       (2,'Aaryan','Pune',18),
       (3,'Vaishnavi','Mumbai',20),
       (4,'Rachna','Mumbai',21),
       (5,'Shubham','Delhi',21)]

# find total number of rows and
# columns in list
total_rows = len(lst)
total_columns = len(lst[0])

# create root window
root = Tk()
t = Table(root)
root.mainloop()
```

Output:



A screenshot of a Tkinter application window titled "tk". The window contains a table with 5 rows and 4 columns. The columns represent student ID, name, city, and age. The data is as follows:

1	Raj	Mumbai	19
2	Aaryan	Pune	18
3	Vaishnavi	Mumbai	20
4	Rachna	Mumbai	21
5	Shubham	Delhi	21

Conclusion

Recap of the Steps Taken

Summarize the key steps involved in creating a table using Tkinter.

Possible Use Cases for the Created Table

Explore the various scenarios where the table can be utilized, such as data analysis, reporting, and visualization.

Further Resources for Learning Tkinter

Provide recommendations for additional learning materials to deepen your understanding of Tkinter and GUI development.