

```
vityarthi.py > ...
1  import tkinter as tk
2  from tkinter import ttk, messagebox
3
4  # ----- COST MAPPING -----
5  sqft_cost_map = {
6      "simple": 1500,
7      "duplex": 2050,
8      "luxury": 2600
9  }
10
11
12 # ----- LOGIC FUNCTION -----
13 def do_cost_estimate():
14     try:
15         area_val = float(area_input.get())
16         floors_val = int(floors_input.get())
17         h_type = house_choice.get()
18
19         if floors_val <= 0:
20             messagebox.showerror("Floor Error", "Number of floors must be at least 1.")
21             return
22
23         if not h_type:
24             messagebox.showerror("Error", "Please pick a house style first.")
25             return
26
27         base_cost = sqft_cost_map[h_type]
28         total_cost = area_val * base_cost * floors_val
29
30         output_label.config(
31             text=f"Estimated Cost for {floors_val} Floor(s): ₹{total_cost:,.2f}"
32         )
33
34     except ValueError:
35         messagebox.showerror("Input Error", "Please enter valid numbers.")
36
37
38 # ----- WINDOW SETUP -----
39 main_win = tk.Tk()
40 main_win.title("Modern House Cost Estimator")
41 main_win.geometry("520x700")
42
43 # NEW BACKGROUND → Light Brown
44 main_win.configure(bg="#D9C4A3") # light brown shade
45
46 # ttk style (Modern Look)
47 style = ttk.Style()
48 style.theme_use("clam")
49
```

```
vityarthi.py > ...
51     "TButton",
52     font=("Segoe UI", 12, "bold"),
53     padding=10,
54     relief="flat",
55     background=█ "#6D4C41",  # chocolate brown
56     foreground="white"
57 )
58
59 style.map(
60     "TButton",
61     background=[("active", █ "#5D4037")]  # darker brown on hover
62 )
63
64 style.configure(
65     "TCombobox",
66     padding=8,
67     font=("Segoe UI", 12)
68 )
69
70
71 # ----- MAIN TITLE -----
72 title_lbl = tk.Label(
73     main_win,
74     text="🏠 Modern House Cost Estimator",
75     font=("Segoe UI", 20, "bold"),
76     bg=█ "#D9C4A3",  # match background
77     fg=█ "#3E2723"  # dark brown
78 )
79 title_lbl.pack(pady=20)
80
81
82 # ----- CARD FRAME -----
83 card = tk.Frame(
84     main_win,
85     bg=█ "#FAF3E0",  # light cream-brown card
86     bd=0,
87     highlightbackground=█ "#BFA888",  # soft border
88     highlightthickness=2
89 )
90 card.pack(pady=10, padx=30, fill="both")
91
92
93 # ----- INPUT FIELDS -----
94 tk.Label(
95     card,
96     text="Enter Area (sqft)",
97     font=("Segoe UI", 14),
98     bg=█ "#FAF3E0",
99     fg=█ "#4E342E"
100 )
```

File Edit Selection View PYTHON

first.py 3rd.py 2nd.py Untitled-1 vityarthi.py op.py 9+

Modern House Cost Estimator

Modern House Cost Estimator

Enter Area (sqft)

210

Number of Floors

2

Select House Type

duplex

Estimate Cost

Estimated Cost for 2 Floor(s): ₹861,000.00

Python -u "c:\Users\OJAS SHARMA\

Ln 158, Col 20 Spaces: 4 UTF-8 CRLF Python Signed out Python 3.14 (64-bit)

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PROBLEMS 88

OneDrive\Des

EXPLORER

OPEN EDITORS

- first.py
- 3rd.py
- 2nd.py
- Untitled-1
- vityarthi.py
- op.py 9+
- actual.py 9+
- ok.py 9+

PYTHON

- ok.py 9+
- op.py 9+
- tempCodeRunnerFile...
- vityarthi.py

OUTLINE

- sqft_cost_map
- do_cost_estimate
 - area_val
 - floors_val
 - h type