

<b>Date Submitted:</b>	4/23/2023
<b>Application Title:</b>	Long-Distance Calls
<b>Purpose:</b>	Calculate cost of long-distance calls
<b>Program Procedures:</b>	Start the program. Enter the length of the call in minutes. Click the button to calculate the cost.
<b>Algorithms, Processing, and Conditions:</b>	<ol style="list-style-type: none"> <li>1) Program initializes CallCalcGUI class</li> <li>2) Main window is created and size is set to 300 x 200</li> <li>3) Main window is titled "Long-Distance Calls"</li> <li>4) Frame 1 is created</li> <li>5) Frame 2 is created</li> <li>6) Frame 3 is created</li> <li>7) Frame 4 is created</li> <li>8) Self.info variable is created and given the value of a StringVar</li> <li>9) Info label is created and placed in frame 1</li> <li>10) Headers for the radio buttons are created</li> <li>11) String from headers variable is sent to the info variable</li> <li>12) Radio variable is created and set to 0</li> <li>13) Daytime radio button is created</li> <li>14) Evening radio button is created</li> <li>15) Off peak radio button is created</li> <li>16) Labels and buttons are packed</li> <li>17) Frame 1 is packed</li> <li>18) Minutes label widget is created and placed in frame 2</li> <li>19) Entry widget is created and placed in frame 2</li> <li>20) Widgets are packed</li> <li>21) Frame 2 is packed</li> <li>22) Calculate button is created</li> <li>23) Calculate button is packed</li> <li>24) Frame 3 is packed</li> <li>25) Output label is created and placed in frame 4</li> <li>26) Cost_value variable is created and assigned a StringVar</li> <li>27) Cost output label is created and assigned the cost_value is used as the variable</li> <li>28) Cost output label and cost output are packed</li> <li>29) Frame 4 is packed</li> <li>30) MainLoop is used to wait for events</li> </ol>

	<p>31) When the calculate button is pressed, the radio variable for the corresponding button is retrieved and used to calculate the cost</p> <p>32) If user makes an invalid selection or entry, they are prompted to try again.</p>
<b>Notes and Restrictions:</b>	User must click button to prompt program and enter the minutes as an integer.
<b>Comments:</b>	Program uses tkinter module

## USE CASE

- 1) User starts the program
- 2) User selects the radio button for the call choice
- 3) User enters the call length
- 4) User clicks the calculate button
- 5) Program displays the cost of the call