

Income tax calculator: Create one income tax calculator using current tax slab and rates. As, income tax slabs now depends upon age gaps too, take age and CTC as input and output should be total income tax to be paid.

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In [ ]: # individuals up to 60 years of age, senior citizens above 60 years to 80 y
def income_tax_calculator():
    ctc=int(input("enter your salary"))
    age=int(input("enter your age"))
    if ctc < 250001:
        inc_tax_old=inc_tax_new=0
    elif ctc < 300001:
        inc_tax_new=0
        if age<60:
            inc_tax_old=ctc*0.05
        else:
            inc_tax_old=0
    elif ctc< 500001:
        inc_tax_new=0.05*ctc
        if age >=80:
            inc_tax_old=0
        else:
            inc_tax_old=0.05*ctc
    elif ctc < 600001:
        inc_tax_new= 0.05*ctc
        inc_tax_old= 0.2*ctc
    elif ctc<900001:
        inc_tax_new=0.1*ctc
        inc_tax_old=0.2*ctc
    elif ctc <1200001:
        inc_tax_new=0.15*ctc
        inc_tax_old=0.3*ctc
    elif ctc< 1500001:
        inc_tax_new=0.2*ctc
        inc_tax_old=0.3*ctc
    elif ctc >1500000:
        inc_tax_new=inc_tax_old=0.3*ctc
    else:
        print('wrong input')
    print('your payable income tax under new regime is',inc_tax_new)
    print('your payable income tax under old regime is',inc_tax_old)
    print("the difference between tax under old and new regime is",inc_tax_n

income_tax_calculator()
```

Typing Master: A simple typing master (you can use tkinter for GUI) where user should type as much as he can till a minute and based on error he made, time and texts entered, result should be printed in WPM (words per minute). User should not be able to

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In [ ]: from tkinter import *
        from timeit import default_timer as timer
        # creating window using gui
        window = Tk()

        # the size of the window is defined
        window.geometry("450x200")
```

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In [ ]: import tkinter
        import time
        # Create the main window
        window = tkinter.Tk()
        # Set the window title
        window.title(" Typing master ")
        window.geometry("450x200")
        # Create a Label widget
        label = tkinter.Label(window, text="Write the text below")
        label.pack()

        # Start the mainloop
        window.mainloop()
```

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In [ ]: # Import Module
        from tkinter import *

        # create root window
        root = Tk()

        # root window title and dimension
        root.title("Welcome to GeekForGeeks")
        # Set geometry(widthxheight)
        root.geometry('350x200')

        # adding a Label to the root window
        lbl = Label(root, text = "Are you a Geek?")
        lbl.grid()

        # function to display text when
        # button is clicked
        def clicked():
            lbl.configure(text = "I just got clicked")

        # button widget with red color text
        # inside
        btn = Button(root, text = "Click me" ,
                     fg = "red", command=clicked)
        # set Button grid
        btn.grid(column=1, row=0)

        # Execute Tkinter
        root.mainloop()
```

