import time  
import datetime  
from tkinter import \*  
import tkinter.messagebox  
  
root = Tk()  
root.title("Employee payroll system")  
root.geometry('1350x650+0+0')  
root.configure(background="powder blue")  
  
Tops = Frame(root**,** width=**1350,** height=**50,** bd=**8,** bg="black")  
Tops.pack(side=TOP)  
  
f1 = Frame(root**,** width=**600,** height=**600,** bd=**8,** bg="black")  
f1.pack(side=LEFT)  
f2 = Frame(root**,** width=**300,** height=**700,** bd=**8,** bg="black")  
f2.pack(side=RIGHT)  
  
fla = Frame(f1**,** width=**600,** height=**200,** bd=**8,** bg="powder blue")  
fla.pack(side=TOP)  
flb = Frame(f1**,** width=**300,** height=**600,** bd=**8,** bg="powder blue")  
flb.pack(side=TOP)  
  
lblinfo = Label(Tops**,** font=('arial'**, 45,** 'bold')**,** text="Employee Payment Management system "**,** bd=**10,** fg="green")  
lblinfo.grid(row=**0,** column=**0**)  
  
  
def exit():  
 exit = tkinter.messagebox.askyesno("Employee system"**,** "Do you want to exit the system")  
 if exit > **0**:  
 root.destroy()  
 return  
  
  
def reset():  
 Name.set("")  
 Address.set("")  
 HoursWorked.set("")  
 wageshour.set("")  
 Payable.set("")  
 Taxable.set("")  
 NetPayable.set("")  
 GrossPayable.set("")  
 OverTimeBonus.set("")  
 Employer.set("")  
 NINumber.set("")  
 txtpayslip.delete("1.0"**,** END)  
  
  
def enterinfo():  
 txtpayslip.delete("1.0"**,** END)  
 txtpayslip.insert(END**,** "\t\tPay Slip\n\n")  
 txtpayslip.insert(END**,** "Name :\t\t" + Name.get() + "\n\n")  
 txtpayslip.insert(END**,** "Address :\t\t" + Address.get() + "\n\n")  
 txtpayslip.insert(END**,** "Employer :\t\t" + Employer.get() + "\n\n")  
 txtpayslip.insert(END**,** "NI Number :\t\t" + NINumber.get() + "\n\n")  
 txtpayslip.insert(END**,** "Hours Worked :\t\t" + HoursWorked.get() + "\n\n")  
 txtpayslip.insert(END**,** "Net Payable :\t\t" + NetPayable.get() + "\n\n")  
 txtpayslip.insert(END**,** "Wages per hour :\t\t" + wageshour.get() + "\n\n")  
 txtpayslip.insert(END**,** "Tax Paid :\t\t" + Taxable.get() + "\n\n")  
 txtpayslip.insert(END**,** "Payable :\t\t" + Payable.get() + "\n\n")  
  
  
def weeklywages():  
 txtpayslip.delete("1.0"**,** END)  
 hoursworkedperweek = float(HoursWorked.get())  
 wagesperhours = float(wageshour.get())  
  
 paydue = wagesperhours \* hoursworkedperweek  
 paymentdue = "INR"**,** str('%.2f' % (paydue))  
 Payable.set(paymentdue)  
  
 tax = paydue \* **0.2** taxable = "INR"**,** str('%.2f' % (tax))  
 Taxable.set(taxable)  
  
 netpay = paydue - tax  
 netpays = "INR"**,** str('%.2f' % (netpay))  
 NetPayable.set(netpays)  
  
 if hoursworkedperweek > **40**:  
 overtimehours = (hoursworkedperweek - **40**) + wagesperhours \* **1.5** overtime = "INR"**,** str('%.2f' % (overtimehours))  
 OverTimeBonus.set(overtime)  
 elif hoursworkedperweek <= **40**:  
 overtimepay = (hoursworkedperweek - **40**) + wagesperhours \* **1.5** overtimehrs = "INR"**,** str('%.2f' % (overtimepay))  
 OverTimeBonus.set(overtimehrs)  
 return  
  
  
# =============================== Variables ========================================================  
Name = StringVar()  
Address = StringVar()  
HoursWorked = StringVar()  
wageshour = StringVar()  
Payable = StringVar()  
Taxable = StringVar()  
NetPayable = StringVar()  
GrossPayable = StringVar()  
OverTimeBonus = StringVar()  
Employer = StringVar()  
NINumber = StringVar()  
TimeOfOrder = StringVar()  
DateOfOrder = StringVar()  
  
DateOfOrder.set(time.strftime("%d/%m/%Y"))  
  
# ================================ Label Widget =================================================  
  
lblName = Label(fla**,** text="Name"**,** font=('arial'**, 16,** 'bold')**,** bd=**20,** fg="red"**,** bg="powder blue").grid(row=**0,** column=**0**)  
lblAddress = Label(fla**,** text="Address"**,** font=('arial'**, 16,** 'bold')**,** bd=**20,** fg="red"**,** bg="powder blue").grid(row=**0,** column=**2**)  
lblEmployer = Label(fla**,** text="Employer"**,** font=('arial'**, 16,** 'bold')**,** bd=**20,** fg="red"**,** bg="powder blue").grid(row=**1,** column=**0**)  
lblNINumber = Label(fla**,** text="NI Number"**,** font=('arial'**, 16,** 'bold')**,** bd=**20,** fg="red"**,** bg="powder blue").grid(row=**1,** column=**2**)  
lblHoursWorked = Label(fla**,** text="Hours Worked"**,** font=('arial'**, 16,** 'bold')**,** bd=**20,** fg="red"**,** bg="powder blue").grid(  
 row=**2,** column=**0**)  
lblHourlyRate = Label(fla**,** text="Hourly Rate"**,** font=('arial'**, 16,** 'bold')**,** bd=**20,** fg="red"**,** bg="powder blue").grid(  
 row=**2,** column=**2**)  
lblTax = Label(fla**,** text="Tax"**,** font=('arial'**, 16,** 'bold')**,** bd=**20,** anchor='w'**,** fg="red"**,** bg="powder blue").grid(row=**3,** column=**0**)  
lblOverTime = Label(fla**,** text="OverTime"**,** font=('arial'**, 16,** 'bold')**,** bd=**20,** fg="red"**,** bg="powder blue").grid(row=**3,** column=**2**)  
lblGrossPay = Label(fla**,** text="GrossPay"**,** font=('arial'**, 16,** 'bold')**,** bd=**20,** fg="red"**,** bg="powder blue").grid(row=**4,** column=**0**)  
lblNetPay = Label(fla**,** text="Net Pay"**,** font=('arial'**, 16,** 'bold')**,** bd=**20,** fg="red"**,** bg="powder blue").grid(row=**4,** column=**2**)  
  
# =============================== Entry Widget =================================================  
  
etxname = Entry(fla**,** textvariable=Name**,** font=('arial'**, 16,** 'bold')**,** bd=**16,** width=**22,** justify='left')  
etxname.grid(row=**0,** column=**1**)  
  
etxaddress = Entry(fla**,** textvariable=Address**,** font=('arial'**, 16,** 'bold')**,** bd=**16,** width=**22,** justify='left')  
etxaddress.grid(row=**0,** column=**3**)  
  
etxemployer = Entry(fla**,** textvariable=Employer**,** font=('arial'**, 16,** 'bold')**,** bd=**16,** width=**22,** justify='left')  
etxemployer.grid(row=**1,** column=**1**)  
  
etxhoursworked = Entry(fla**,** textvariable=HoursWorked**,** font=('arial'**, 16,** 'bold')**,** bd=**16,** width=**22,** justify='left')  
etxhoursworked.grid(row=**2,** column=**1**)  
  
etxwagesperhours = Entry(fla**,** textvariable=wageshour**,** font=('arial'**, 16,** 'bold')**,** bd=**16,** width=**22,** justify='left')  
etxwagesperhours.grid(row=**2,** column=**3**)  
  
etxnin = Entry(fla**,** textvariable=NINumber**,** font=('arial'**, 16,** 'bold')**,** bd=**16,** width=**22,** justify='left')  
etxnin.grid(row=**1,** column=**3**)  
  
etxgrosspay = Entry(fla**,** textvariable=Payable**,** font=('arial'**, 16,** 'bold')**,** bd=**16,** width=**22,** justify='left')  
etxgrosspay.grid(row=**4,** column=**1**)  
  
etxnetpay = Entry(fla**,** textvariable=NetPayable**,** font=('arial'**, 16,** 'bold')**,** bd=**16,** width=**22,** justify='left')  
etxnetpay.grid(row=**4,** column=**3**)  
  
etxtax = Entry(fla**,** textvariable=Taxable**,** font=('arial'**, 16,** 'bold')**,** bd=**16,** width=**22,** justify='left')  
etxtax.grid(row=**3,** column=**1**)  
  
etxovertime = Entry(fla**,** textvariable=OverTimeBonus**,** font=('arial'**, 16,** 'bold')**,** bd=**16,** width=**22,** justify='left')  
etxovertime.grid(row=**3,** column=**3**)  
  
# =============================== Text Widget ============================================================  
  
payslip = Label(f2**,** textvariable=DateOfOrder**,** font=('arial'**, 21,** 'bold')**,** fg="red"**,** bg="powder blue").grid(row=**0,** column=**0**)  
txtpayslip = Text(f2**,** height=**22,** width=**34,** bd=**16,** font=('arial'**, 13,** 'bold')**,** fg="green"**,** bg="powder blue")  
txtpayslip.grid(row=**1,** column=**0**)  
  
# =============================== buttons ===============================================================  
  
btnsalary = Button(flb**,** text='Weekly Salary'**,** padx=**16,** pady=**16,** bd=**8,** font=('arial'**, 16,** 'bold')**,** width=**14,** fg="red"**,** bg="powder blue"**,** command=weeklywages).grid(row=**0,** column=**0**)  
  
btnreset = Button(flb**,** text='Reset'**,** padx=**16,** pady=**16,** bd=**8,** font=('arial'**, 16,** 'bold')**,** width=**14,** command=reset**,** fg="red"**,** bg="powder blue").grid(row=**0,** column=**1**)  
  
btnpayslip = Button(flb**,** text='View Payslip'**,** padx=**16,** pady=**16,** bd=**8,** font=('arial'**, 16,** 'bold')**,** width=**14,** command=enterinfo**,** fg="red"**,** bg="powder blue").grid(row=**0,** column=**2**)  
  
btnexit = Button(flb**,** text='Exit System'**,** padx=**16,** pady=**16,** bd=**8,** font=('arial'**, 16,** 'bold')**,** width=**14,** command=exit**,** fg="red"**,** bg="powder blue").grid(row=**0,** column=**3**)  
  
root.mainloop()