```
import tkinter as tk
#function to  press key as ("1" ,"+","=")
def press(num):
    current = entry.get()
    entry.delete(0, tk.END)
    entry.insert(tk.END, current + num)
# function to make mathmatical calculation as ("+","-","/","*" and so on)
def calculate():
    try:
        result = eval(entry.get())
        entry.delete(0, tk.END)
        entry.insert(tk.END, str(result))
    except Exception as e:
        entry.delete(0, tk.END)
        entry.insert(tk.END, "Error")

root = tk.Tk()
root.geometry('250x250')
root.title("Calculator")

entry = tk.Entry(root, width=30,  borderwidth=1, relief="solid")
```

```
entry.grid(row=0, column=0, columnspan=4)
# create buttons grid (text,row, column)
buttons = [
('1',1,0),('2',1,1),('3',1,2),('+',1,3),
('4',2,0),('5',2,1),('6',2,2),('-',2,3),
('7',3,0),('8',3,1),('9',3,2),('*',3,3),
('/',4,2),('=',4,3),
]

for (text, row, col) in buttons:
    if text == '=':
        action = calculate

    else:
        action = lambda t=text: press(t)
    tk.Button(root, text=text, bg='light blue', height=2, width=7,
command=action).grid(row=row, column=col, pady=2)

root.mainloop()
```

Task:

- Implement function to clear and add “C” button in buttons []
- Implement function to calculate sqar root (sqrt) EX: sqrt(4)=2 and add button “sqrt”