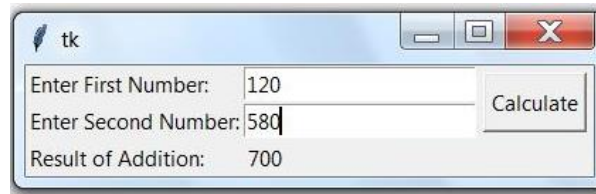


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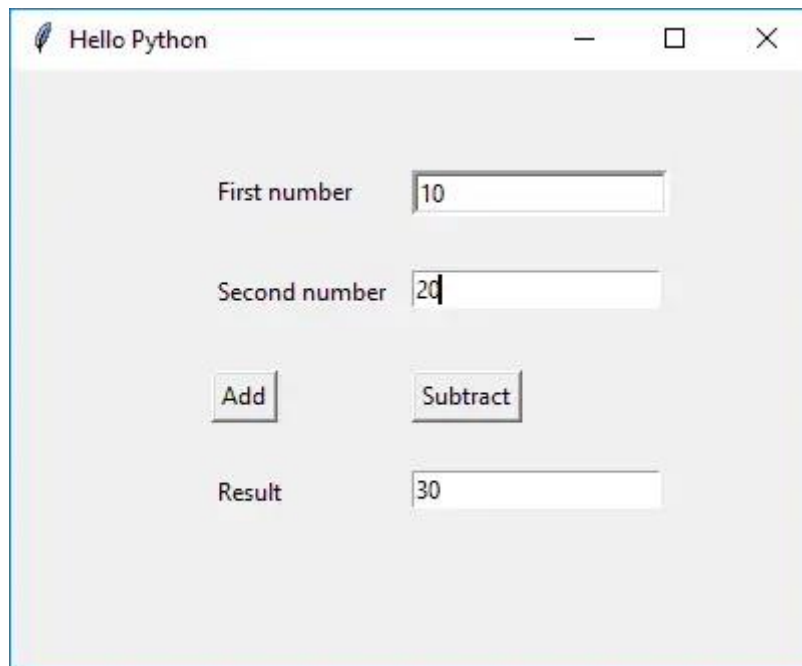
Unit IV and V - Assignment

Due by 6.05.2024

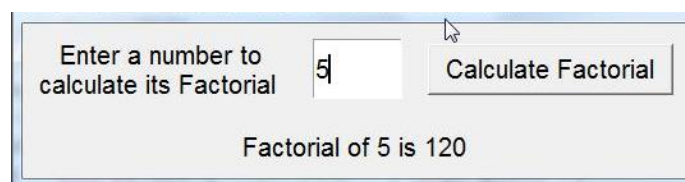
1. Create and test client-server architecture using a connection-oriented (TCP) socket and send the current time string of the server to the client.
2. Create and test client-server architecture using a connectionless (User Datagram Protocol (UDP)) socket and send a message from the client to the server.
3. Design a GUI as shown below using Tkinter to find the sum of two numbers entered by the user.



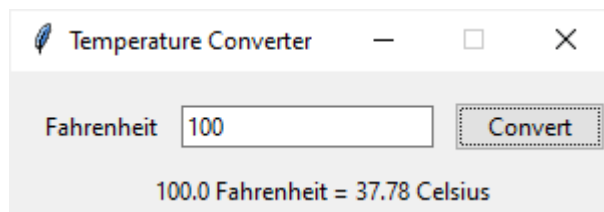
4. Design a GUI for a simple calculator as shown below using Tkinter.



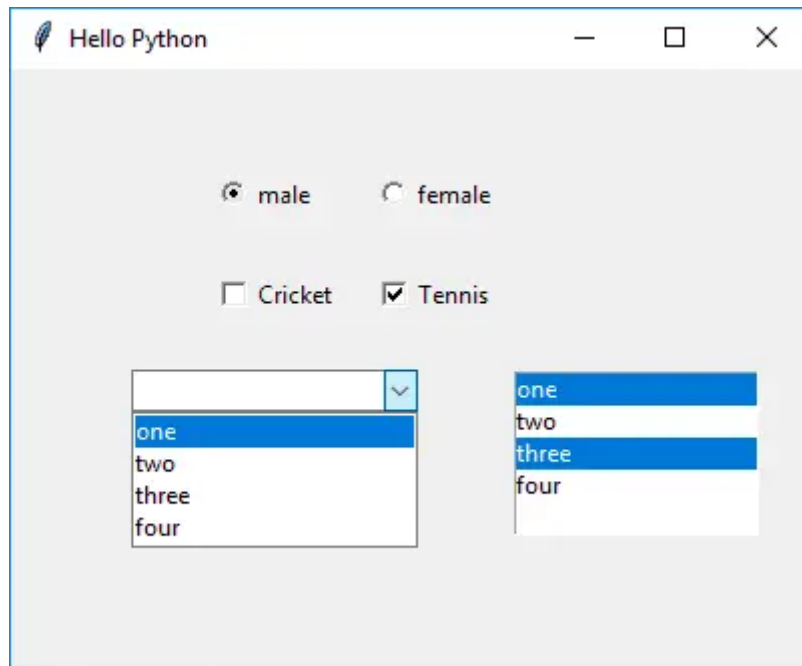
5. Design a GUI as shown below using Tkinter to find the factorial of a number entered by the user.



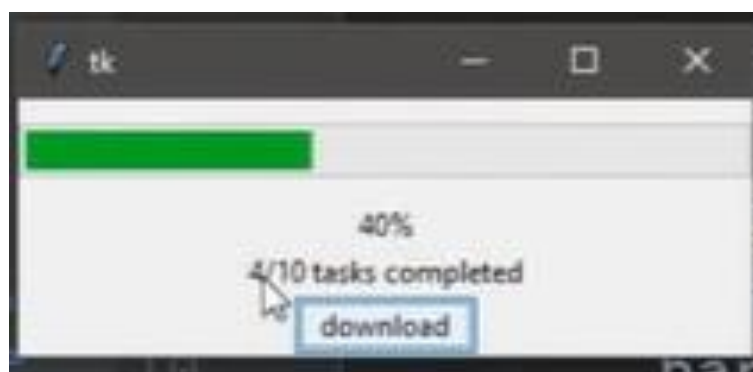
6. Design a GUI as shown below using Tkinter to convert the given temperature from Fahrenheit to Celsius.



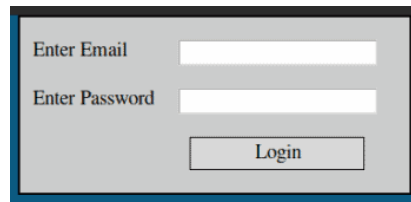
7. Design a GUI as shown below using Tkinter with appropriate widgets.



8. Design a progress bar as given below.



9. Create a Login Form in Python using Tkinter.



Enter Email

Enter Password

Login

The Login Form should have a window with fields: username and password and a button to submit these values. User can enter the details for username, password; and click on Login button. Once the button is clicked, a function is called to validate the credentials.