

HOW TO USE THE TYPING TESTER DESKTOP APPLICATION SYSTEM

Step 1: Download and Setup: The very first thing to do is to download the complete file from my GitHub page and then set up this file on your own computer, ensuring that all the relevant “imports or modules and data libraries”, as intentionally used at the topmost section of the main file “Final_TestTypingApp.py” are downloaded and installed on your own computer.

Step 2: Testing Application: You can place the complete downloaded application file from my GitHub on any location of choice on your computer and open or run the main “Final_TestTypingApp.py” file with any Python IDEs or command editors of your choice. I used “VSCode” to develop the application. This same tool can be used if you prefer it to others.

Upon running the main application on your computer, there come up two user interfaces as shown below. The login or registration form and the main user interface form where the typing test exercises take place. Your inputted time in minutes is automatically converted to seconds upon the click of the “Start Test” golden button on the user interface after the delay count is over. It is also possible to create a new user “Username and Password”. The file “users.csv” in the complete downloaded file, contains the usernames and passwords of already existing users. These users’ credentials can be used to access the application or you can register new users of your choice.

Typing Test

Set Time Limit (in minutes):

Points: 0
Level: 1

Enter number of text sentences to be typed:

Start Test

Exit

Toggle Practice Mode

Practice Mode: OFF

School!!Welcome To OsloMet Typing Tests Competition

View History

Show Progress Graph

Enter Your Name:

View Leaderboard

Change Background Color

Settings

Team-ACIT-OsloMet-TypingTester2023 | 3rd Semester 2023

Login

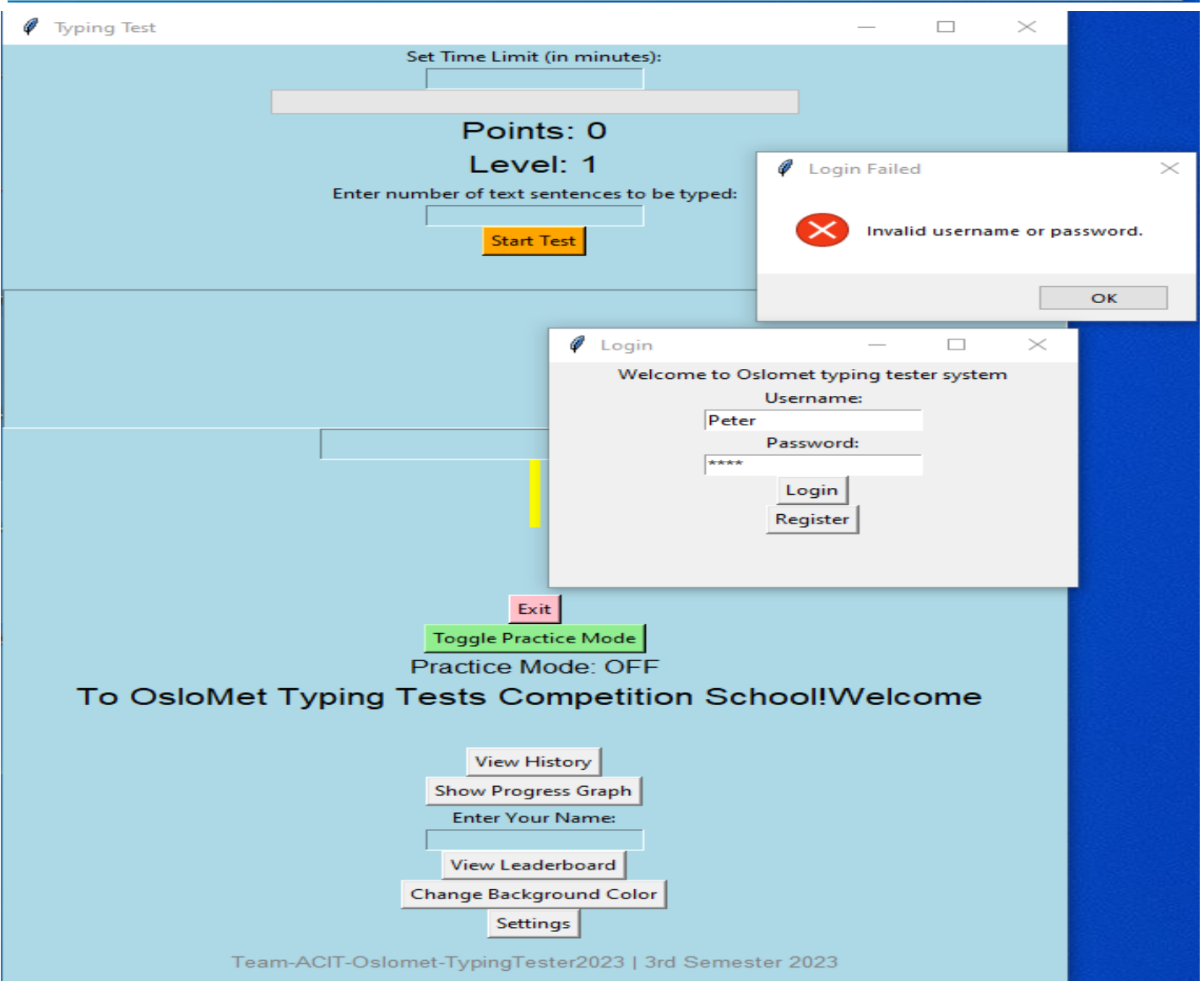
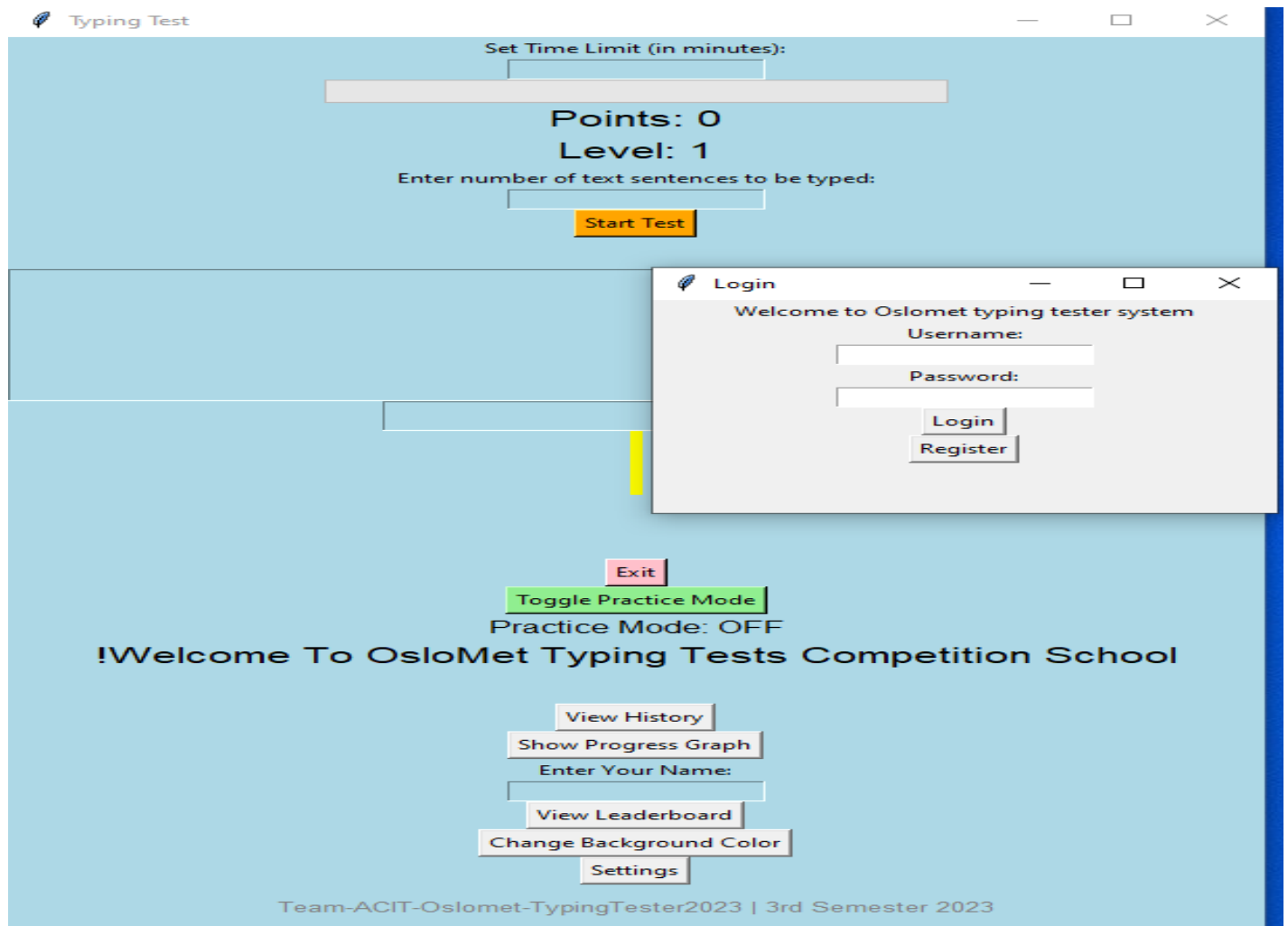
Welcome to OsloMet typing tester system

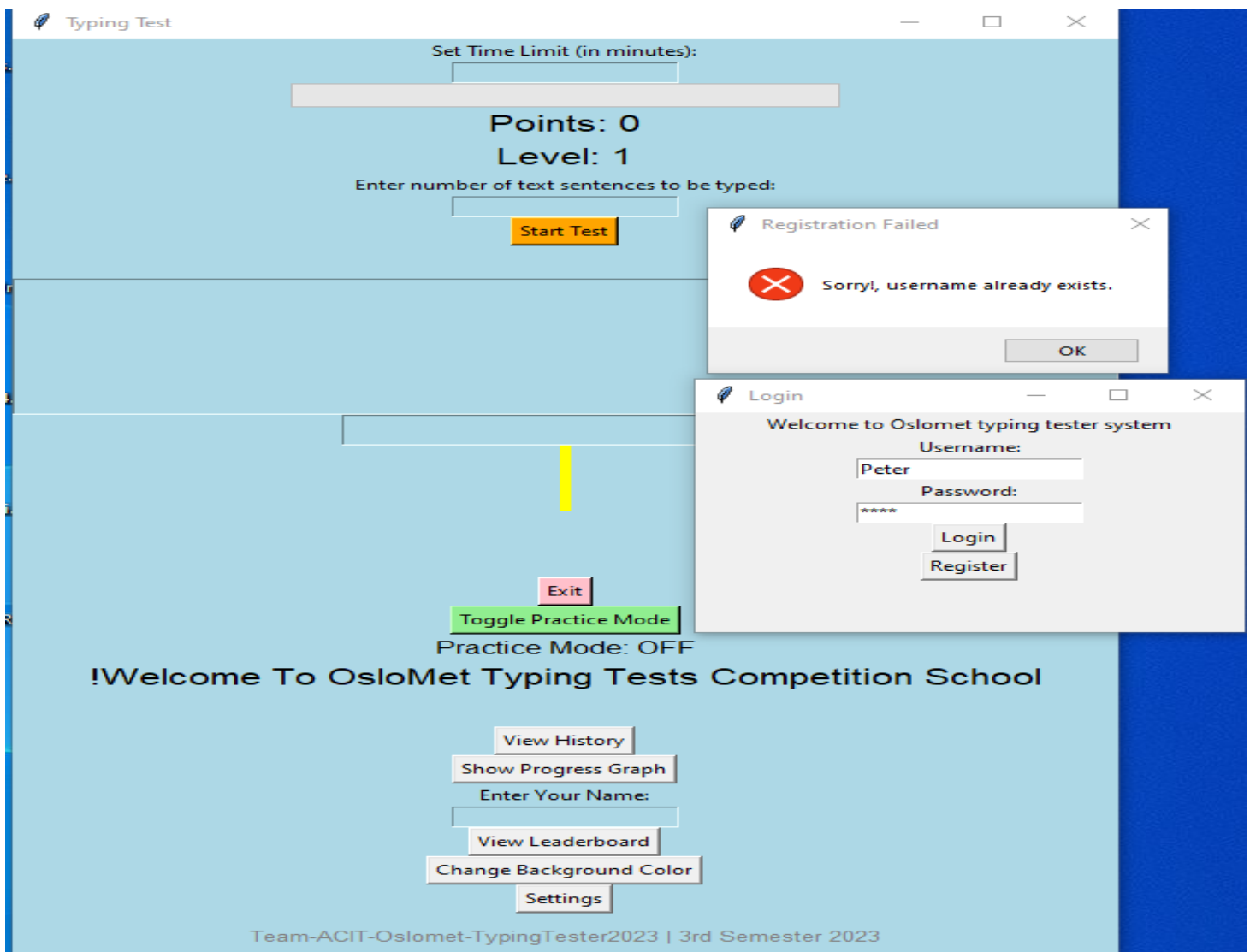
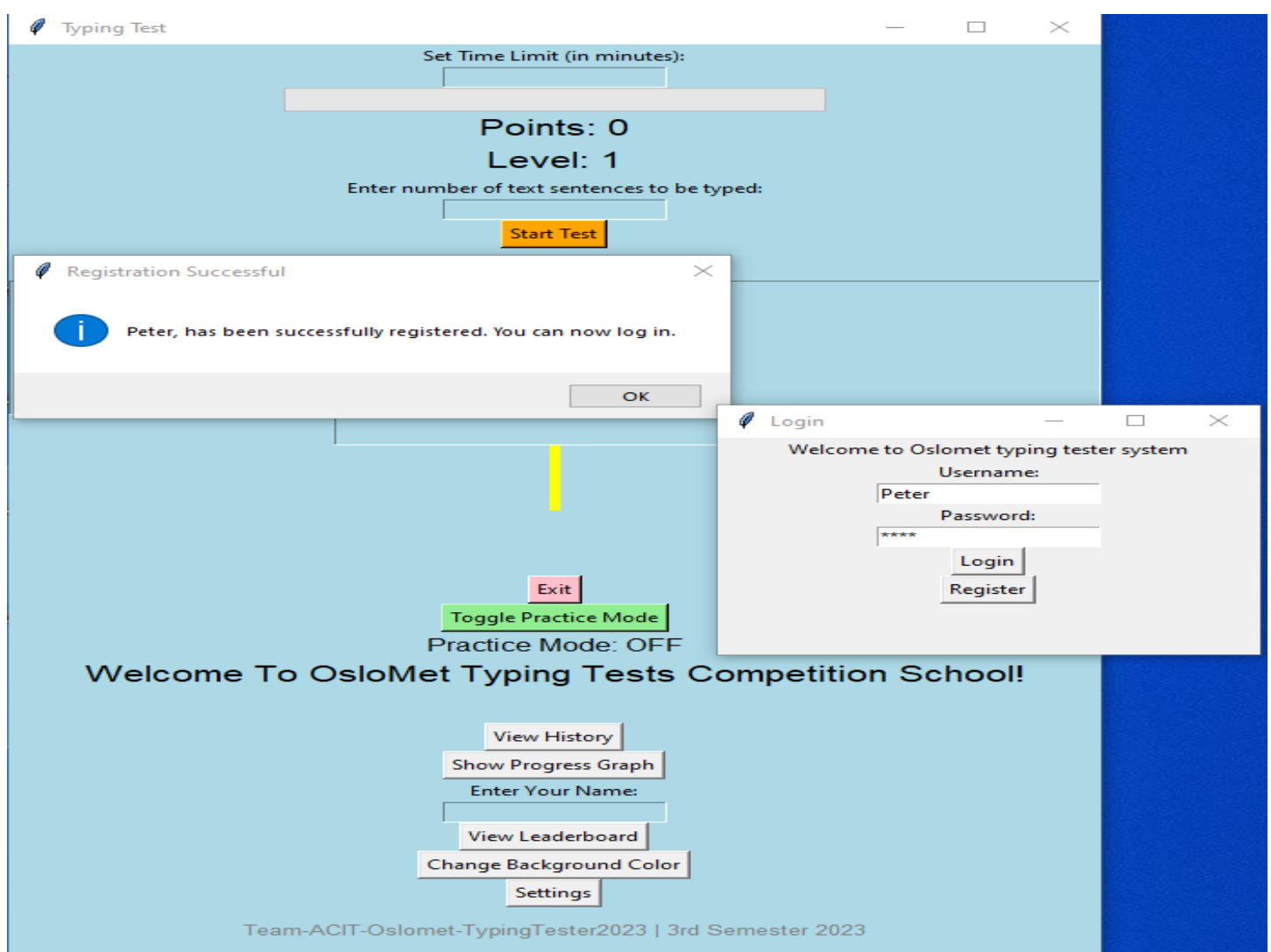
Username:

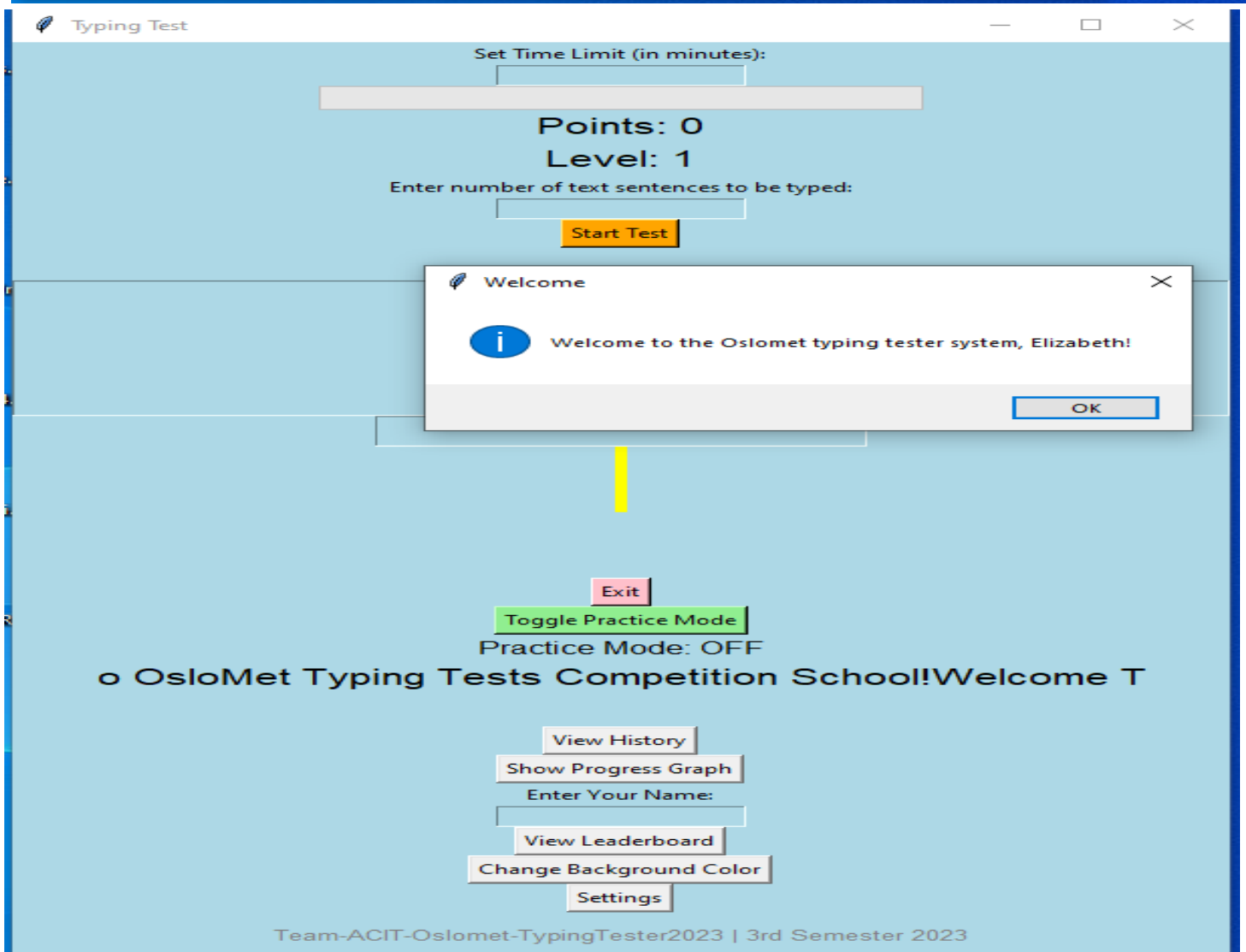
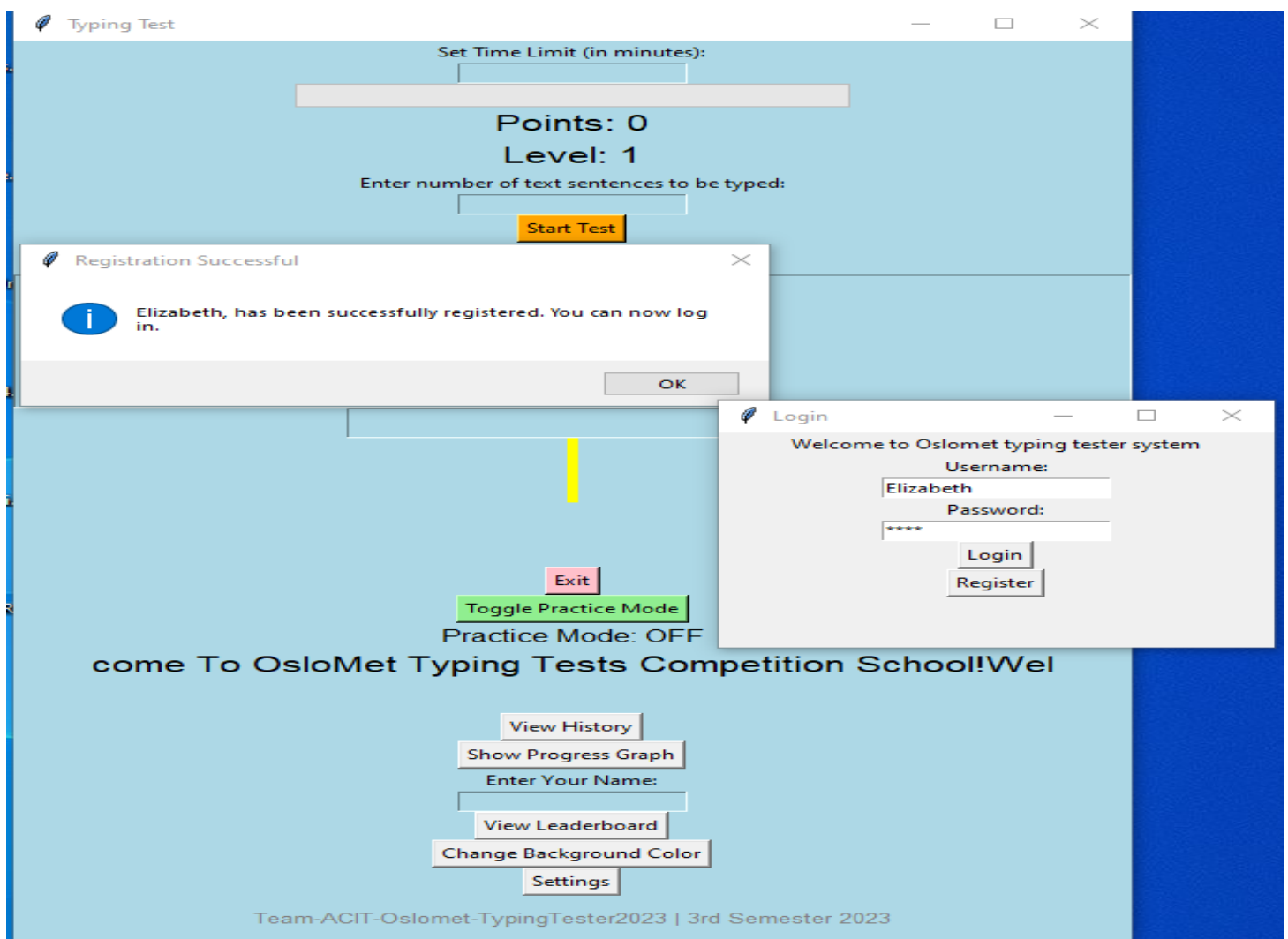
Password:

Login

Register



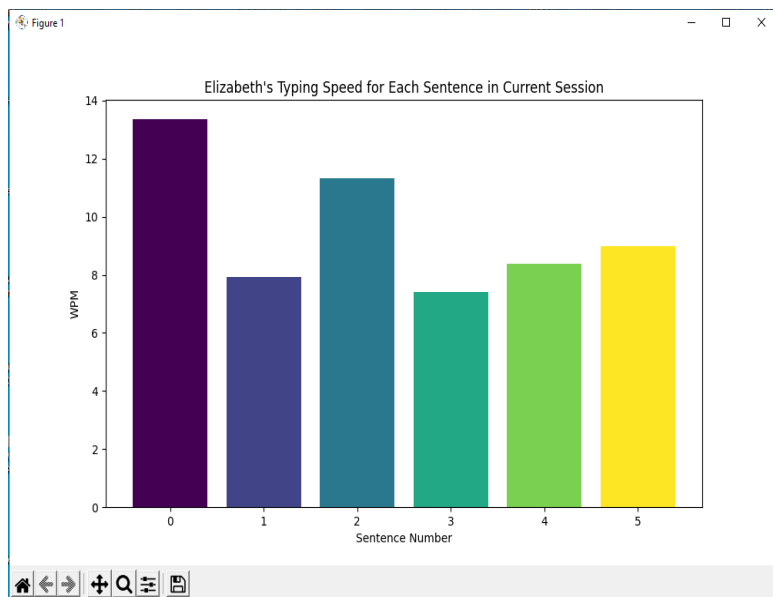




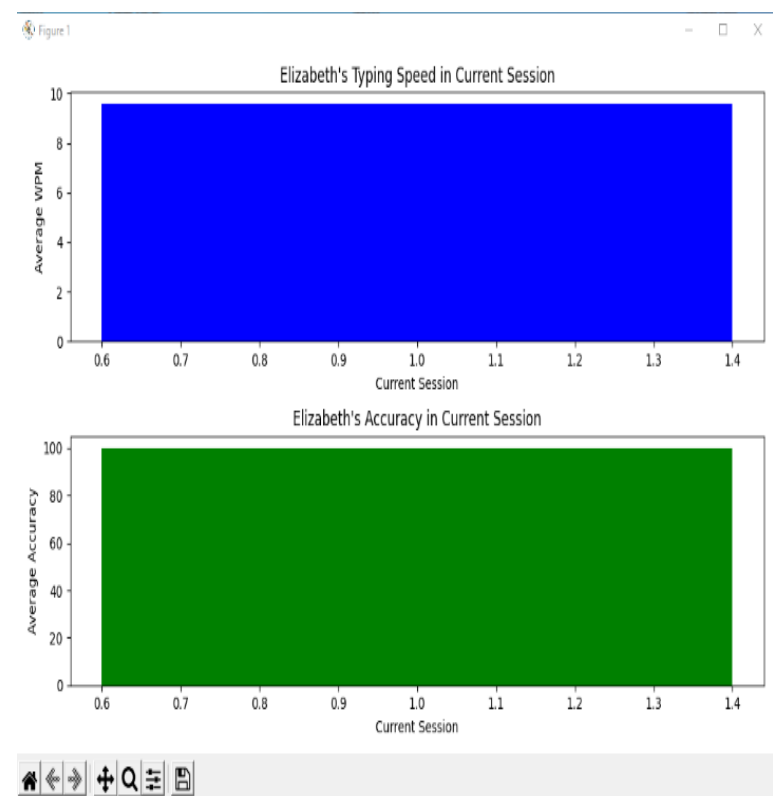
First Typing Practise for Elizabeth

Time Limit: 2minutes but converted into 120 seconds by the application

Number of Typed Sentences: 6



The screenshot shows the "Typing Test" application interface. At the top, it displays "Set Time Limit (in minutes): 2" with a progress bar. Below this, it shows "Points: 57414" and "Level: 575". There is a field "Enter number of text sentences to be typed:" with the value "6" and a "Start Test" button. The status "Starting in 1 second..." is shown. A section titled "Students who have a higher than average probability" contains a list of names: "ts who have a higher than", "Average Accuracy: 100.00%", "Average WPM: 9.57", and "Performance: Excellent". Below this are buttons for "Exit", "Toggle Practice Mode", and "Practice Mode: OFF". A large text "!!Welcome To OsloMet Typing Tests Competition School" is displayed. At the bottom, there are buttons for "View History", "Show Progress Graph", "Enter Your Name:", "View Leaderboard", "Change Background Color", and "Settings". The footer text is "Team-ACIT-OsloMet-TypingTester2023 | 3rd Semester 2023".

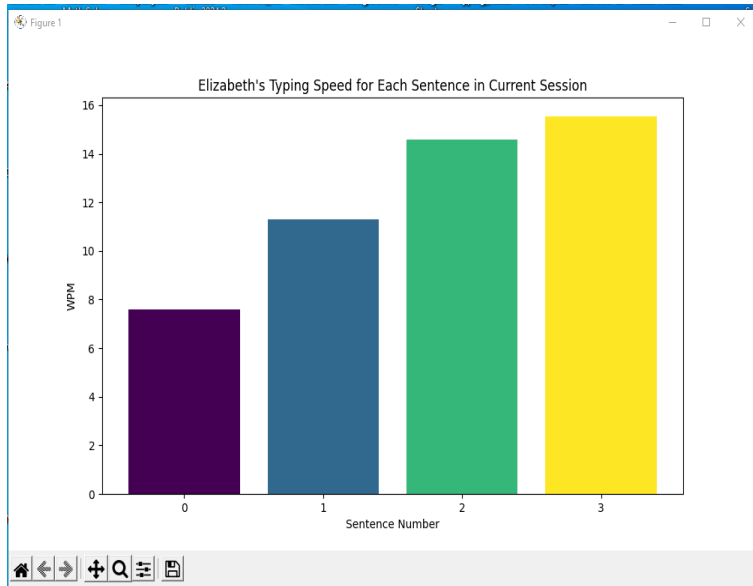


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Second Typing Practise for Elizabeth

Time Limit: 2minutes but converted into 120 seconds by the application

Number of Typed Sentences: 4



Typing Test interface showing results and navigation options. The interface is divided into a red top section and a blue bottom section. The red section displays the following information:

- Set Time Limit (in minutes): 2
- Points: 106464
- Level: 1065
- Enter number of text sentences to be typed: 5
- Start Test button
- Starting in 1 second...

The blue section displays the following text:

Rural agricultural development,

Rural agricul

Time's up! Test ended.

Average Accuracy: 100.00%

Average WPM: 12.26

Performance: Excellent

Exit button

Toggle Practice Mode button

Practice Mode: OFF

Welcome To OsloMet Typing Tests Competition School!

View History button

Show Progress Graph button

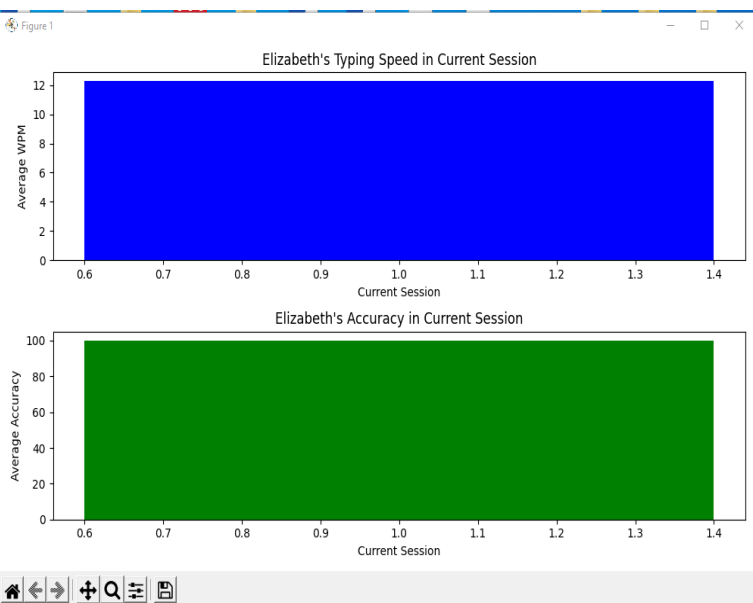
Enter Your Name: text input

View Leaderboard button

Change Background Color button

Settings button

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Welcome To OsloMet Typing Tests Competition School!Welc

View History button

Show Progress Graph button

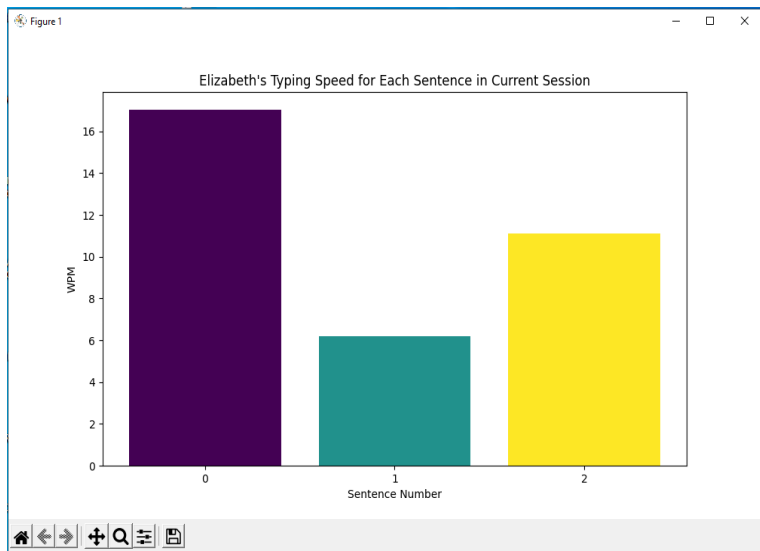
Enter Your Name: text input

View Leaderboard button

Change Background Color button

Settings button

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Typing Test

Set Time Limit (in minutes): 1

Points: 163021

Level: 1631

Enter number of text sentences to be typed: 3

Start Test

Starting in 1 second...

Agricultural sustainability.

Time's up! Test ended.

Average Accuracy: 91.67%

Average WPM: 11.46

Performance: Very Good

Exit

Toggle Practice Mode

Practice Mode: OFF

et Typing Tests Competition School!Welcome To OsloM

View History

Show Progress Graph

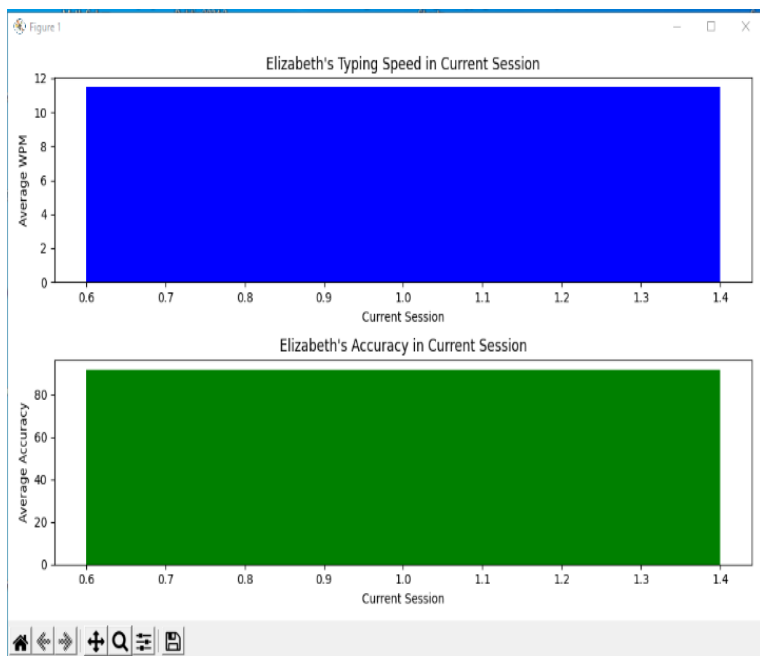
Enter Your Name:

View Leaderboard

Change Background Color

Settings

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Typing Tests Competition School!Welcome To OsloMet

View History

Show Progress Graph

Enter Your Name:

View Leaderboard

Change Background Color

Settings

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Typing Test History

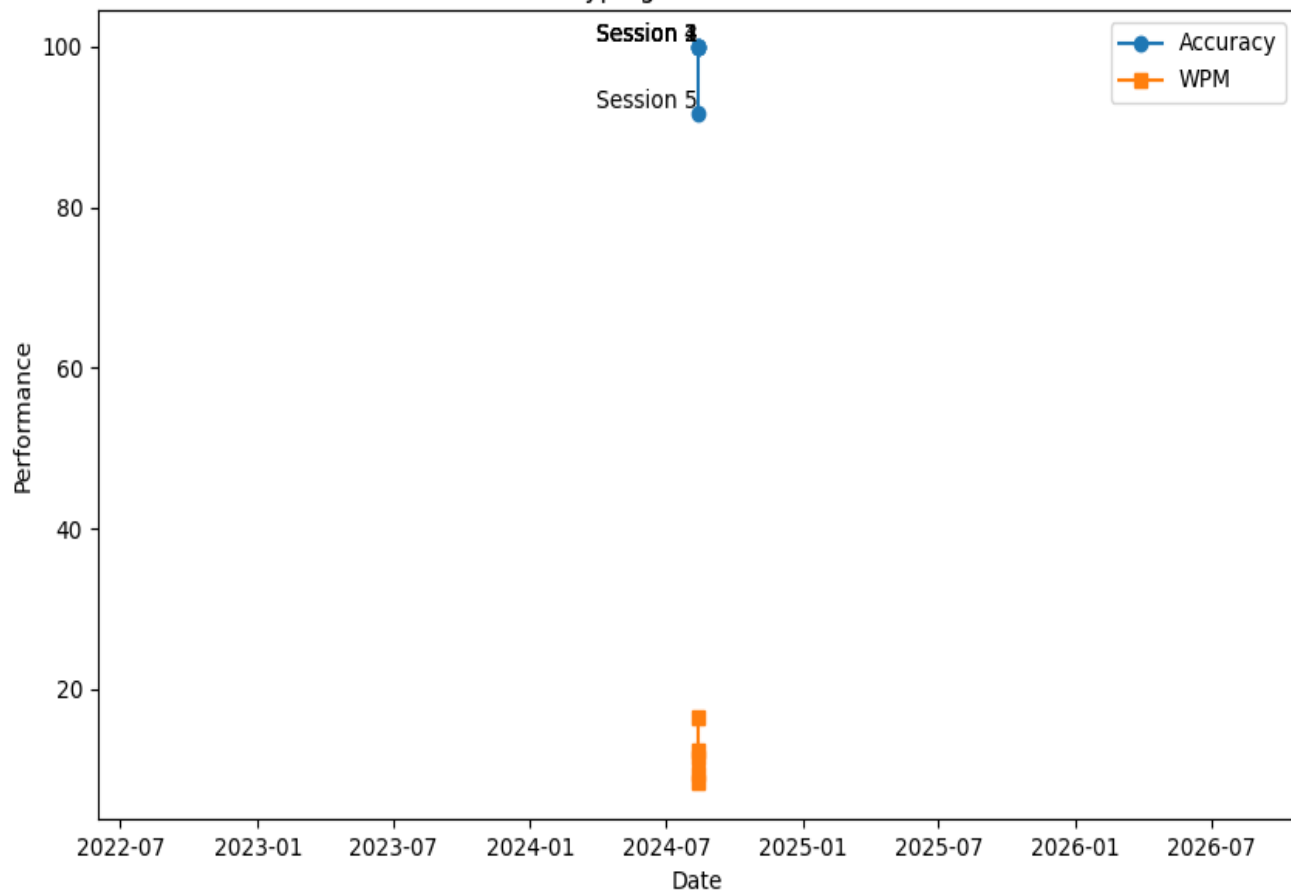


1. Date: 2024-08-12, Accuracy: 100.0, WPM: 9.56973897343063
2. Date: 2024-08-12, Accuracy: 100.0, WPM: 12.26299570843894
3. Date: 2024-08-12, Accuracy: 100.0, WPM: 16.560077927536504
4. Date: 2024-08-12, Accuracy: 100.0, WPM: 8.407856245433608
5. Date: 2024-08-12, Accuracy: 91.66666666666667, WPM: 11.457672121435941

Figure 1



Elizabeth's Typing Performance Over Time



First Typing Practise for Peter

Time Limit: 2minutes but converted into 120 seconds by the application

Number of Typed Sentences: 5

The screenshot shows a desktop application window titled "Typing Test". The main interface has a light blue background. At the top, there is a label "Set Time Limit (in minutes):" followed by a text input field. Below this is a horizontal progress bar. The current score is displayed as "Points: 0" and the level as "Level: 1". A label "Enter number of text sentences to be typed:" is followed by another text input field. A yellow "Start Test" button is positioned below the input field. A white "Welcome" dialog box is open in the center, displaying a blue information icon and the text "Welcome to the Oslomet typing tester system, Peter!". An "OK" button is at the bottom right of the dialog. Below the dialog, a vertical yellow line is visible. Further down, there is a pink "Exit" button, a green "Toggle Practice Mode" button, and the text "Practice Mode: OFF". A large black text message reads "Welcome To OsloMet Typing Tests Competition School!". At the bottom, a stack of buttons includes "View History", "Show Progress Graph", "Enter Your Name:" (with a text input field), "View Leaderboard", "Change Background Color", and "Settings". The footer text at the very bottom is "Team-ACIT-Oslomet-TypingTester2023 | 3rd Semester 2023".

Typing Test

Set Time Limit (in minutes):

Points: 0

Level: 1

Enter number of text sentences to be typed:

Start Test

Welcome

Welcome to the Oslomet typing tester system, Peter!

OK

Exit

Toggle Practice Mode

Practice Mode: OFF

Welcome To OsloMet Typing Tests Competition School!

View History

Show Progress Graph

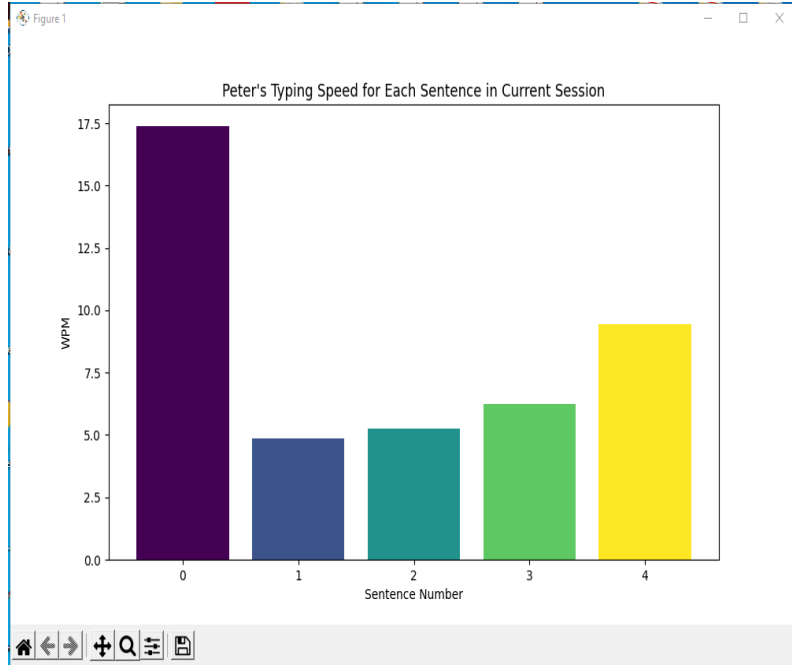
Enter Your Name:

View Leaderboard

Change Background Color

Settings

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Typing Test

Set Time Limit (in minutes):

Points: 36005

Level: 361

Enter number of text sentences to be typed:

Starting in 1 second...

Agricultural resources,

Average Accuracy: 80.00%

Average WPM: 8.63

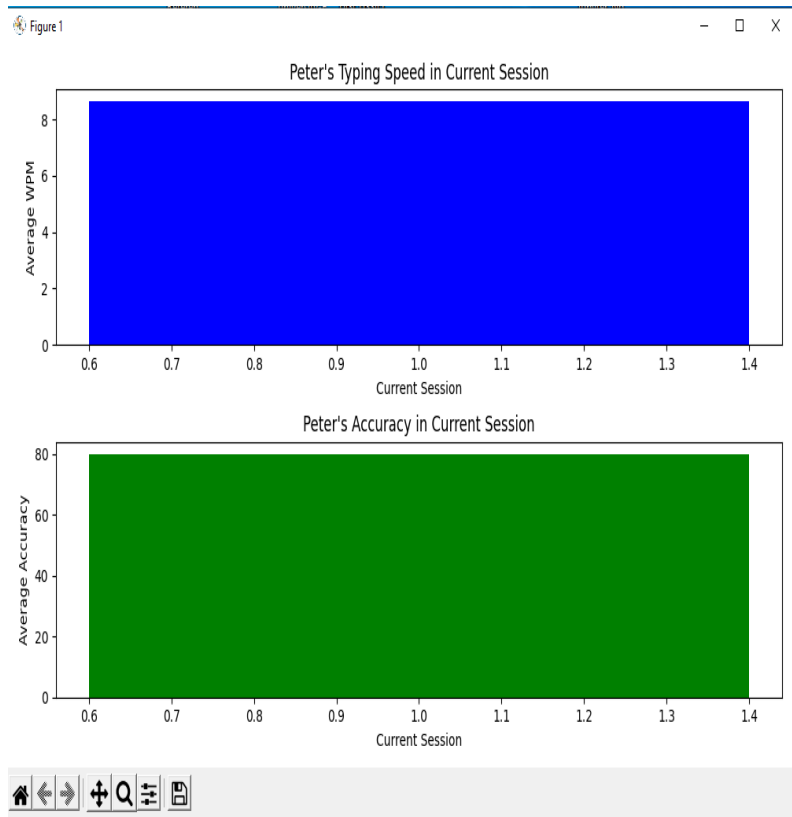
Performance: Very Good

Practice Mode: OFF

o!!Welcome To OsloMet Typing Tests Competition Scho

Enter Your Name:

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Typing Test

Set Time Limit (in minutes):

Points: 36005

Level: 361

Enter number of text sentences to be typed:

Starting in 1 second...

Agricultural resources,

Average Accuracy: 80.00%

Average WPM: 8.63

Performance: Very Good

Practice Mode: OFF

o!!Welcome To OsloMet Typing Tests Competition Scho

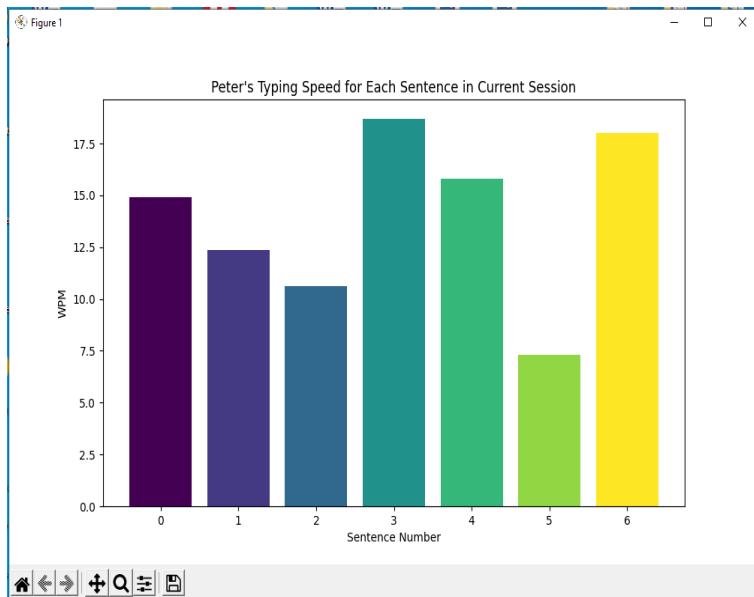
Enter Your Name:

Team-ACIT-OsloMet-TypingTester2023 | 3rd Semester 2023

Second Typing Practise for Peter

Time Limit: 3minutes but converted into 180 seconds by the application

Number of Typed Sentences: 7



Typing Test

Set Time Limit (in minutes):
3

Points: 133693
Level: 1337

Enter number of text sentences to be typed:
4

Start Test

Starting in 1 second...

sanctioned for their success or lack of success in doing so.

Time's up! Test ended.
Average Accuracy: 100.00%
Average WPM: 13.96
Performance: Excellent

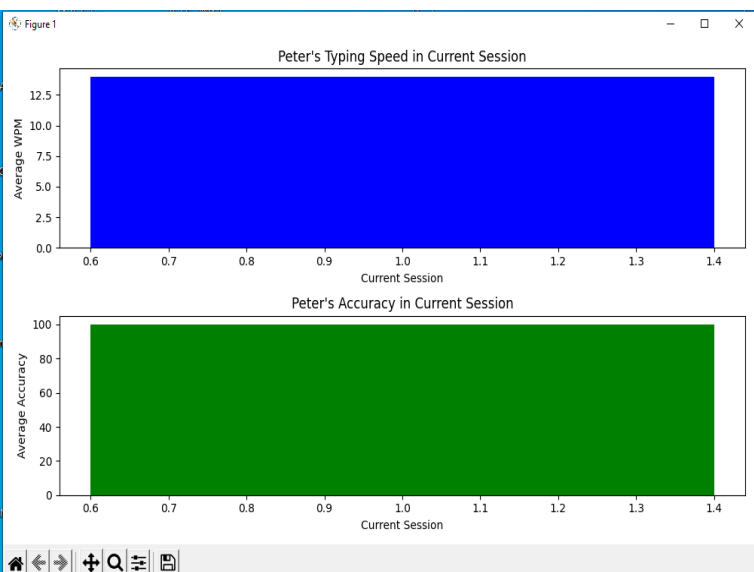
Exit

Toggle Practice Mode
Practice Mode: OFF

!Welcome To OsloMet Typing Tests Competition School

View History
Show Progress Graph
Enter Your Name:
View Leaderboard
Change Background Color
Settings

Team-ACIT-OsloMet-TypingTester2023 | 3rd Semester 2023



Typing Test

Set Time Limit (in minutes):
3

Points: 133693
Level: 1337

Enter number of text sentences to be typed:
4

Start Test

Starting in 1 second...

sanctioned for their success or lack of success in doing so.

Time's up! Test ended.
Average Accuracy: 100.00%
Average WPM: 13.96
Performance: Excellent

Exit

Toggle Practice Mode
Practice Mode: OFF

!Welcome To OsloMet Typing Tests Competition School

View History
Show Progress Graph
Enter Your Name:
View Leaderboard
Change Background Color
Settings

Team-ACIT-OsloMet-TypingTester2023 | 3rd Semester 2023



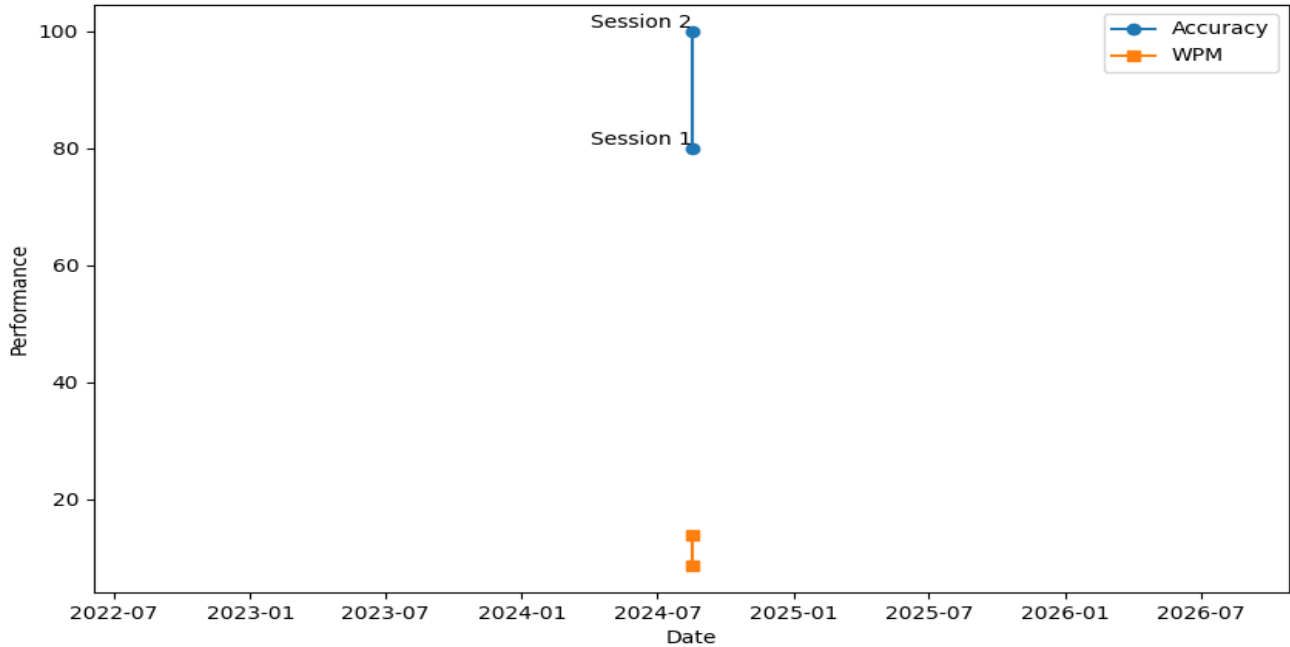
Typing Test History



1. Date: 2024-08-16, Accuracy: 80.0, WPM: 8.629879790115728
2. Date: 2024-08-16, Accuracy: 100.0, WPM: 13.956059695035007

Figure 1

Peter's Typing Performance Over Time



| Leaderboard | | | | | | | | | |
|-------------|-----------|------------|--------------------|--------------------|--------------------|--|--|--|--|
| User ID | User Name | Date | Accuracy | WPM | Score | | | | |
| vidar | vidar | 2023-12-06 | 0.5 | 30.771458975453783 | 153.8572948772689 | | | | |
| Kent | Kent | 2023-12-06 | 0.5 | 28.643680082125826 | 143.21840041062913 | | | | |
| Mella | Mella | 2023-12-06 | 0.4895833333333337 | 28.435354959645004 | 139.21475865659534 | | | | |
| vidar | vidar | 2023-12-06 | 0.5 | 27.52676832768499 | 137.63384163842494 | | | | |
| Kent | Kent | 2023-12-06 | 0.5 | 27.15516100094471 | 135.77580500472354 | | | | |
| Mella | Mella | 2023-12-06 | 0.4388888888888889 | 22.641486060981435 | 99.37096660097409 | | | | |
| Mella | Mella | 2023-12-06 | 0.475 | 20.570371509571626 | 97.70926467046522 | | | | |
| Mella | Mella | 2023-12-06 | 0.5 | 18.850660169712384 | 94.25330084856192 | | | | |
| vidar | vidar | 2023-12-06 | 0.5 | 17.834774510786048 | 89.17387255393024 | | | | |
| Kent | Kent | 2023-12-06 | 0.4 | 17.200857293791447 | 68.80342917516579 | | | | |
| Elizabeth | Elizabeth | 2024-08-12 | 100.0 | 16.560077927536504 | 16560.077927536506 | | | | |
| Gerd | Gerd | 2023-12-06 | 100.0 | 15.932146010650666 | 15932.146010650666 | | | | |
| Kristian | Kristian | 2023-12-07 | 100.0 | 15.6237776474451 | 15623.7776474451 | | | | |
| Kristian | Kristian | 2023-12-07 | 95.0 | 15.424728516478918 | 14653.492090654972 | | | | |
| Øystein | Øystein | 2023-12-07 | 100.0 | 14.835473836261992 | 14835.473836261992 | | | | |
| Elina | Elina | 2023-12-07 | 69.15584415584415 | 14.17749221087519 | 9804.56441855979 | | | | |
| Elina | Elina | 2023-12-07 | 99.07407407407408 | 14.039353682639103 | 13909.35966705911 | | | | |
| Peter | Peter | 2024-08-16 | 100.0 | 13.956059695035007 | 13956.059695035006 | | | | |
| Elizabeth | Elizabeth | 2024-08-12 | 100.0 | 12.26299570843894 | 12262.995708438939 | | | | |
| Elina | Elina | 2023-12-07 | 77.14285714285714 | 12.046375844874664 | 9292.91850890331 | | | | |
| Øystein | Øystein | 2023-12-07 | 100.0 | 11.9245559078685 | 11924.5559078685 | | | | |
| Elina | Elina | 2023-12-07 | 61.02564102564102 | 11.865728919232465 | 7241.137135326478 | | | | |
| Gerd | Gerd | 2023-12-06 | 98.21428571428571 | 11.835672097065114 | 11624.320809617522 | | | | |
| Elina | Elina | 2023-12-07 | 84.21875 | 11.675989486814178 | 9833.372395926315 | | | | |
| Øystein | Øystein | 2023-12-07 | 87.5 | 11.520100398636544 | 10080.087848806976 | | | | |
| Elizabeth | Elizabeth | 2024-08-12 | 91.66666666666667 | 11.457672121435941 | 10502.86611131628 | | | | |
| Innocent | Innocent | 2024-08-06 | 100.0 | 11.438981185638928 | 11438.981185638928 | | | | |
| Elizabeth | Elizabeth | 2024-08-12 | 100.0 | 9.56973897343063 | 9569.738973430629 | | | | |
| Gerd | Gerd | 2023-12-07 | 44.84848484848484 | 9.412184026637018 | 4221.221927097814 | | | | |
| Peter | Peter | 2024-08-16 | 80.0 | 8.629879790115728 | 6903.903832092583 | | | | |
| Elizabeth | Elizabeth | 2024-08-12 | 100.0 | 8.407856245433608 | 8407.856245433608 | | | | |
| Elina | Elina | 2023-12-07 | 37.5 | 8.3876352370792 | 3145.3632139047 | | | | |
| Kristian | Kristian | 2023-12-07 | 55.0 | 8.01667082863931 | 4409.16895575162 | | | | |