

In []:

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1  ## Speed Typing Test
2
3  This is a simple Python program that allows you to test your typing speed
4  It presents a predefined text for you to type and measures the time it tak
5  as well as the number of words typed and your typing speed in words per mi
6  it calculates the accuracy of your typing.
7
8  To run the speed typing test, simply execute the following code:
9
10
11 Once you execute the code, a text will be displayed for you to type. Press
12 Once you have finished typing the text, press Enter again. The program wil
13 including the time elapsed, number of words typed, typing speed, and accur
14
15 Feel free to modify the predefined text or enhance the code to suit your n
16
17
```

```
In [11]: 1 import time
2
3 def speed_typing_test():
4     text = "The quick brown fox jumps over the lazy dog."
5     print("Type the following text:")
6     print(text)
7     print("Press Enter when you're done.")
8
9     input("Press Enter to start...")
10    start_time = time.time()
11
12    typed_text = input()
13    end_time = time.time()
14
15    elapsed_time = end_time - start_time
16    words_typed = len(typed_text.split())
17    typing_speed = words_typed / elapsed_time
18    accuracy = calculate_accuracy(text, typed_text)
19
20    print("\n--- Test Results ---")
21    print("Time elapsed: {:.2f} seconds".format(elapsed_time))
22    print("Words typed: {}".format(words_typed))
23    print("Typing speed: {:.2f} words per minute".format(typing_speed * 60))
24    print("Accuracy: {:.2f}%".format(accuracy * 100))
25
26 def calculate_accuracy(original_text, typed_text):
27     correct_chars = 0
28     total_chars = len(original_text)
29
30     for original_char, typed_char in zip(original_text, typed_text):
31         if original_char == typed_char:
32             correct_chars += 1
33
34     accuracy = correct_chars / total_chars
35     return accuracy
36
37 # Run the speed typing test
38 speed_typing_test()
39
```

Type the following text:
The quick brown fox jumps over the lazy dog.
Press Enter when you're done.
Press Enter to start...
The quick brown fox jumps over the lazy dog.

--- Test Results ---
Time elapsed: 9.39 seconds
Words typed: 9
Typing speed: 57.50 words per minute
Accuracy: 100.00%

