



JULY 16, 2024

PYTHON -WORD COUNT

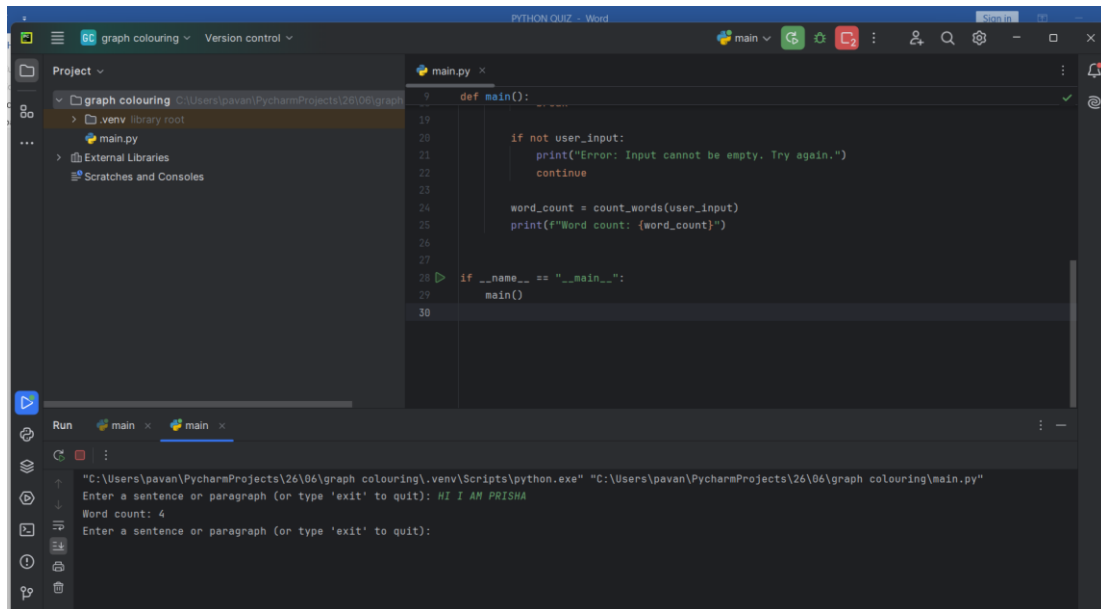
SUBMITTED BY-PRISHA D



CODE:

```
def count_words(sentence):  
    """  
    Count the number of words in a sentence.  
    """  
    words = sentence.split()  
    return len(words)  
  
def main():  
    """  
    Prompt user for input and display word count.  
    """  
    while True:  
        user_input = input("Enter a sentence or paragraph (or type 'exit' to quit): ").strip()  
  
        if user_input.lower() == 'exit':  
            print("Goodbye!")  
            break  
  
        if not user_input:  
            print("Error: Input cannot be empty. Try again.")  
            continue  
  
        word_count = count_words(user_input)  
        print(f"Word count: {word_count}")  
  
if __name__ == "__main__":  
    main()
```

SCREENSHOT OF OUTPUT:



The screenshot displays the PyCharm IDE interface. The top toolbar shows icons for running, debugging, and other development tools. The left sidebar contains the 'Project' view, showing the file structure of the 'graph colouring' project, including a 'venv' directory and a 'main.py' file. The main editor window shows the code in 'main.py'.

```
def main():  
    ...  
    if not user_input:  
        print("Error: Input cannot be empty. Try again.")  
        continue  
    word_count = count_words(user_input)  
    print(f"Word count: {word_count}")  
    ...  
if __name__ == "__main__":  
    main()
```

The bottom panel shows the 'Run' output, indicating the execution of the script using the Python interpreter from the virtual environment. The output text is as follows:

```
"C:\Users\pavan\PycharmProjects\26\06\graph colouring\.venv\Scripts\python.exe" "C:\Users\pavan\PycharmProjects\26\06\graph colouring\main.py"  
Enter a sentence or paragraph (or type 'exit' to quit): HI I AM PRISHA  
Word count: 4  
Enter a sentence or paragraph (or type 'exit' to quit):
```

