Start coding or generate with AI.

```
  File "<ipython-input-1-390434b5c164>", line 4
    print("Welcome to LED Brightness Control!")
    ^
IndentationError: expected an indented block after function definition on line 1
```

Next steps: Explain error

```
def led_brightness_control():
    # 1. Set minimum limit and step size
    min_brightness = 0
    max_brightness = 100
    step_size = 10
    brightness = 50  # Starting brightness level

    # 2. Instructions for the user
    print("Welcome to LED Brightness Control!")
    print("Commands:")
    print("'i' to increase brightness")
    print("'d' to decrease brightness")
    print("'q' to quit the program")

    # 3. Continuous loop until user exits
    while True:
        # 4. Request commands
        command = input("Enter command: ").strip().lower()

        if command == 'i':
            # 5. Increase brightness with max limit check
            if brightness + step_size <= max_brightness:
                brightness += step_size
                print(f"Brightness increased to: {brightness}%")
            else:
                print("Brightness is already at maximum!")
        elif command == 'd':
            # 5. Decrease brightness with min limit check
            if brightness - step_size >= min_brightness:
                brightness -= step_size
                print(f"Brightness decreased to: {brightness}%")
            else:
                print("Brightness is already at minimum!")
        elif command == 'q':
            # Exit the loop
            print("Exiting LED Brightness Control. Goodbye!")
            break
        else:
            # Handle wrong commands
            print("Invalid command. Please try again.")

        # 6. Create a visual representation
        visual = '|' * (brightness // step_size)
        print(f"Brightness Visual: [{visual}]\n")

# Run the LED Brightness Control
led_brightness_control()
```

```
Welcome to LED Brightness Control!
Commands:
'i' to increase brightness
'd' to decrease brightness
'q' to quit the program
Enter command:
```