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print(f"{temp}°C = {result:.2f}K")

elif choice == 3:
    result = fahrenheit_to_celsius(temp)
    print(f"{temp}°F = {result:.2f}°C")

elif choice == 4:
    result = fahrenheit_to_kelvin(temp)
    print(f"{temp}°F = {result:.2f}K")

elif choice == 5:
    result = kelvin_to_celsius(temp)
    print(f"{temp}K = {result:.2f}°C")

elif choice == 6:
    result = kelvin_to_fahrenheit(temp)
    print(f"{temp}K = {result:.2f}°F")

elif choice == 7:
    temp = get_temperature_input()
    print("Select the input scale:")
    print("1. Celsius")
    print("2. Fahrenheit")
    print("3. Kelvin")
    scale_choice = int(input("Enter scale choice (1-3): "))

    if scale_choice == 1:
        convert_to_all(temp, 'Celsius')
    elif scale_choice == 2:
        convert_to_all(temp, 'Fahrenheit')
    elif scale_choice == 3:
        convert_to_all(temp, 'Kelvin')
    else:
        print("Invalid scale choice!")

else:
    print("Invalid choice! Please select 1-8.")

except ValueError:
    print("Please enter a valid number!")

except KeyboardInterrupt:
    print("\n\nProgram interrupted. Goodbye!")
    break

# Example usage and testing
if __name__ == "__main__":
    print("=== Test Conversions ===")
    print(f"0°C = {celsius_to_fahrenheit(0):.1f}°F = {celsius_to_kelvin(0):.1f}K")
    print(f"32°F = {fahrenheit_to_celsius(32):.1f}°C = {fahrenheit_to_kelvin(32):.1f}K")
    print(f"273.15K = {kelvin_to_celsius(273.15):.1f}°C = {kelvin_to_fahrenheit(273.15):.1f}°F")

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print("=" * 25)
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# Start the main program  
main()
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