***Test Cases For The Mini Project***

**Length Conversion (Choice 1):**

**1. Meters to Feet:**

   - Value: 5.0

   - Source Unit: 1 (Meters)

   - Target Unit: 2 (Feet)

**2. Feet to Meters:**

   - Value: 10.0

   - Source Unit: 2 (Feet)

   - Target Unit: 1 (Meters)

**3. Meters to Centimeters:**

   - Value: 2.5

   - Source Unit: 1 (Meters)

   - Target Unit: 3 (Centimeters)

**4. Feet to Meters (Reverse):**

   - Value: 15.0

   - Source Unit: 2 (Feet)

   - Target Unit: 1 (Meters)

**5. Centimeters to Meters (Reverse):**

   - Value: 50.0

   - Source Unit: 3 (Centimeters)

   - Target Unit: 1 (Meters)

**Temperature Conversion (Choice 2):**

**6. Celsius to Fahrenheit:**

   - Value: 25.0

   - Source Unit: 1 (Celsius)

   - Target Unit: 2 (Fahrenheit)

**7. Fahrenheit to Celsius:**

   - Value: 68.0

   - Source Unit: 2 (Fahrenheit)

   - Target Unit: 1 (Celsius)

**8. Celsius to Kelvin:**

   - Value: 30.0

   - Source Unit: 1 (Celsius)

   - Target Unit: 3 (Kelvin)

**9. Fahrenheit to Celsius (Reverse):**

   - Value: 100.0

   - Source Unit: 2 (Fahrenheit)

   - Target Unit: 1 (Celsius)

**10. Kelvin to Celsius (Reverse):**

   - Value: 300.0

   - Source Unit: 3 (Kelvin)

   - Target Unit: 1 (Celsius)

**Area Conversion (Choice 3):**

**11. Square Meters to Square Feet:**

   - Value: 50.0

   - Source Unit: 1 (Square Meters)

   - Target Unit: 2 (Square Feet)

**12. Square Feet to Square Meters:**

   - Value: 1000.0

   - Source Unit: 2 (Square Feet)

   - Target Unit: 1 (Square Meters)

**13. Square Feet to Acres:**

   - Value: 0.5

   - Source Unit: 2 (Square Feet)

   - Target Unit: 3 (Acres)

**14. Square Meters to Square Feet (Reverse):**

   - Value: 100.0

   - Source Unit: 1 (Square Meters)

   - Target Unit: 2 (Square Feet)

**15. Acres to Square Feet (Reverse):**

   - Value: 5.0

   - Source Unit: 3 (Acres)

   - Target Unit: 2 (Square Feet)

**Pressure Conversion (Choice 4):**

**16. Kilopascals to PSI:**

    - Value: 100.0

    - Source Unit: 1 (Kilopascals)

    - Target Unit: 2 (PSI)

**17. PSI to Kilopascals:**

    - Value: 14.5038

    - Source Unit: 2 (PSI)

    - Target Unit: 1 (Kilopascals)

**18. Kilopascals to Atmospheres:**

    - Value: 10.0

    - Source Unit: 1 (Kilopascals)

    - Target Unit: 3 (Atmospheres)

**19. PSI to Kilopascals (Reverse):**

    - Value: 10.0

    - Source Unit: 2 (PSI)

    - Target Unit: 1 (Kilopascals)

**20. Atmospheres to Kilopascals (Reverse):**

    - Value: 15.0

    - Source Unit: 3 (Atmospheres)

    - Target Unit: 1 (Kilopascals)

**Weight Conversion (Choice 5):**

**21. Kilograms to Pounds:**

    - Value: 5.0

    - Source Unit: 1 (Kilograms)

    - Target Unit: 2 (Pounds)

**22. Pounds to Kilograms:**

    - Value: 11.0231

    - Source Unit: 2 (Pounds)

    - Target Unit: 1 (Kilograms)

**23. Kilograms to Grams:**

    - Value: 2.5

    - Source Unit: 1 (Kilograms)

    - Target Unit: 3 (Grams)

**24. Pounds to Kilograms (Reverse):**

    - Value: 20.0

    - Source Unit: 2 (Pounds)

    - Target Unit: 1 (Kilograms)

**25. Grams to Kilograms (Reverse):**

    - Value: 0.75

    - Source Unit: 3 (Grams)

    - Target Unit: 1 (Kilograms)

**Speed Conversion (Choice 6):**

**26. Kilometers per Hour to Miles per Hour:**

    - Value: 60.0

    - Source Unit: 1 (Kilometers per Hour)

    - Target Unit: 2 (Miles per Hour)

**27. Miles per Hour to Kilometers per Hour:**

    - Value: 96.5606

    - Source Unit: 2 (Miles per Hour)

    - Target Unit: 1 (Kilometers per Hour)

**28. Kilometers per Hour to Meters per Second:**

    - Value: 20.0

    - Source Unit: 1 (Kilometers per Hour)

    - Target Unit: 3 (Meters per Second)

**29. Miles per Hour to Kilometers per Hour (Reverse):**

    - Value: 30.0

    - Source Unit: 2 (Miles per Hour)

    - Target Unit: 1 (Kilometers per Hour)

**30. Meters per Second to Kilometers per Hour (Reverse):**

    - Value: 108.0

    - Source Unit: 3 (Meters per Second)

    - Target Unit: 1 (Kilometers per Hour)

**Volume Conversion (Choice 7):**

**31. Liters to US Gallons:**

    - Value: 10.0

    - Source Unit: 1 (Liters)

    - Target Unit: 2 (US Gallons)

**32. US Gallons to Liters:**

    - Value: 37.8541

    - Source Unit: 2 (US Gallons)

    - Target Unit: 1 (Liters)

**Time Conversion (Choice 8):**

**33. Seconds to Minutes:**

    - Value: 120.0

    - Source Unit: 1 (Seconds)

    - Target Unit: 2 (Minutes)

**34. Minutes to Seconds:**

    - Value: 7200.0

    - Source Unit: 2 (Minutes)

    - Target Unit: 1 (Seconds)

**35. Seconds to Hours:**

    - Value: 3600.0

    - Source Unit: 1 (Seconds)

    - Target Unit: 3 (Hours)

**36. Minutes to Hours:**

    - Value: 2.0

    - Source Unit: 2 (Minutes)

    - Target Unit: 3 (Hours)

**37. Hours to Minutes:**

    - Value: 120.0

    - Source Unit: 3 (Hours)

    - Target Unit: 2 (Minutes)

**38. Hours to Seconds:**

    - Value: 7200.0

    - Source Unit: 3 (Hours)

    - Target Unit: 1 (Seconds)

**Invalid Choice (Choice 10):**

**39. Invalid choice:**

    - Choice: 10

   Exit (Choice 9):

**40. Exit the program:**

    - Choice: 9