📅 Day 14 of 60 | #100DaysOfCode Challenge 💻

🚀 Python Learning Journey Continues!

Today I explored **Tuples and Sets** in Python — two powerful data structures that behave very differently but are extremely useful depending on the situation. 🧠✨

🧩 Focus of the Day:

- Understanding **Tuples** (ordered + immutable)
- Accessing elements using indexes
- Tuple unpacking
- Working with nested tuples
- Using tuple methods like count() and index()
- Understanding **Sets** (unordered + unique values)
- Adding and removing items
- Checking membership with "in"
- Performing set operations:
  ➜ union()
  ➜ intersection()
  ➜ difference()
- Removing duplicates using a set

🔍 What I Learned:

- Tuples are great for storing fixed data that should NOT change
- Being immutable makes tuples safer and faster
- Sets automatically remove duplicates — super useful for cleaning data
- Set operations are powerful for comparing and filtering collections
- Membership checking is faster in sets than lists

💬 Reflection:
☑ Day 14 completed!
Tuples and sets helped me understand how Python handles structured and unique data.
It was interesting to see how each structure has a purpose based on immutability and uniqueness.
Today's concepts will be really helpful in data cleaning, comparisons, and efficient lookups. 🙌

🎯 Next Target (Day 15):
➡ Explore **Dictionaries** — key-value pairs and one of Python's most powerful data types!

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