This code demonstrates the **Flyweight Design Pattern**, which is used to minimize memory usage by sharing objects that are similar in nature. The Flyweight pattern is particularly useful when many instances of objects are created and they can share common data, reducing duplication and improving efficiency.

**Class Breakdown:**

1. **TextFormat (Flyweight Object)**:
   * The TextFormat class is the **flyweight** object that holds the intrinsic state, which can be shared across different instances. The intrinsic state includes:
     + fontFamily: The font family of the text (e.g., "Arial").
     + fontStyle: The style of the text (e.g., "Bold", "Italic").
     + fontSize: The size of the font (e.g., 12).
   * The applyFormat() method applies this formatting to a specific text. This method prints the formatted text along with the associated fontFamily, fontStyle, and fontSize.
   * Instead of creating a new object every time different formatting is needed, we use a shared TextFormat object for multiple texts, saving memory.
2. **TextFormatFactory (Flyweight Factory)**:
   * This class acts as a **factory** for creating and managing TextFormat flyweight objects.
   * It uses a Map<String, TextFormat> (formats) to store existing TextFormat objects.
   * The key to the map is a combination of fontFamily, fontStyle, and fontSize to uniquely identify each format.
   * **getFormat() method**:
     + When a new format is requested with specific fontFamily, fontStyle, and fontSize, the factory checks if an instance with those attributes already exists.
     + If it does, the existing object is returned. Otherwise, a new TextFormat object is created, stored in the map, and returned.
   * This ensures that no duplicate TextFormat objects are created, promoting object reuse.
3. **FlyweightPatternDemo (Client)**:
   * This is the **client code** that demonstrates how to use the Flyweight pattern.
   * The TextFormatFactory.getFormat() method is used to obtain TextFormat objects.
     + A TextFormat for "Arial", "Bold", 12 is created and used to format the text "Hello World!".
     + A different format for "Arial", "Italic", 12 is created for the text "Design Patterns".