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**Class:D15B**

**Roll. No:35**

**Topic: PreSchool Tutor**

### **Prerequisites**

#### **Problem Statement:**

The lack of engaging and comprehensive educational resources for preschoolers hinders early childhood development. Existing preschool tutor apps often fail to provide a holistic learning experience, particularly in fundamental areas like alphabets, numbers, shapes, colors, and drawing. This deficiency impedes children's cognitive and creative growth, necessitating a solution that integrates these essential elements seamlessly into an interactive and accessible platform.

#### **Requirements**

- 1.Flutter SDK.
- 2.Dart SDK.
- 3.Development IDE:Visual Studio Code .
- 4.Git.
- 5.State Management Tool.
- 6.Flutter Plugins and Packages: geolocation for location-based weather data

#### **Hardware Requirements Computer:**

- Processor: Intel i5/i7/i9 or equivalent AMD Processor.
- Memory: 8 GB RAM minimum, 16 GB or more recommended.
- Disk Space: Minimum of 10 GB free disk space, SSD preferred for faster performance.
- Operating System: Windows (7 SP1 or later), macOS (latest version recommended), or Linux. Mobile Devices:
  - For testing purposes, access to physical iOS and Android devices is ideal. This ensures that the app performs well in real-world conditions.
  - iOS: iPhone or iPad running the latest iOS version.
  - Android: Android phone or tablet with recent Android version.
- Network Connection:
  - A stable internet connection is essential for downloading dependencies, accessing APIs, and testing network-related functionalities