Experiment - 5

Aim-To apply navigation, routing and gestures in Flutter App

Theory-

Flutter Navigation, Routing & Gestures

Navigation, routing, and gestures in Flutter enable seamless user interactions and screen transitions.

Navigation Methods:

- **Imperative Navigation**: Basic screen changes using `Navigator.push()`/`pop()`
- **Declarative Navigation**: Structured app flows using named routes
- **Data Passing**: Share data between screens using `arguments`

Advanced Features:

- Dynamic routing with `onGenerateRoute`
- Interactive UI elements using `GestureDetector` and `InkWell`
- Smooth transitions with Hero animations (shared-element effects)

Output:

Conclusion:-We successfully apply navigation, routing and gestures in Flutter App