Experiment No.:- 2

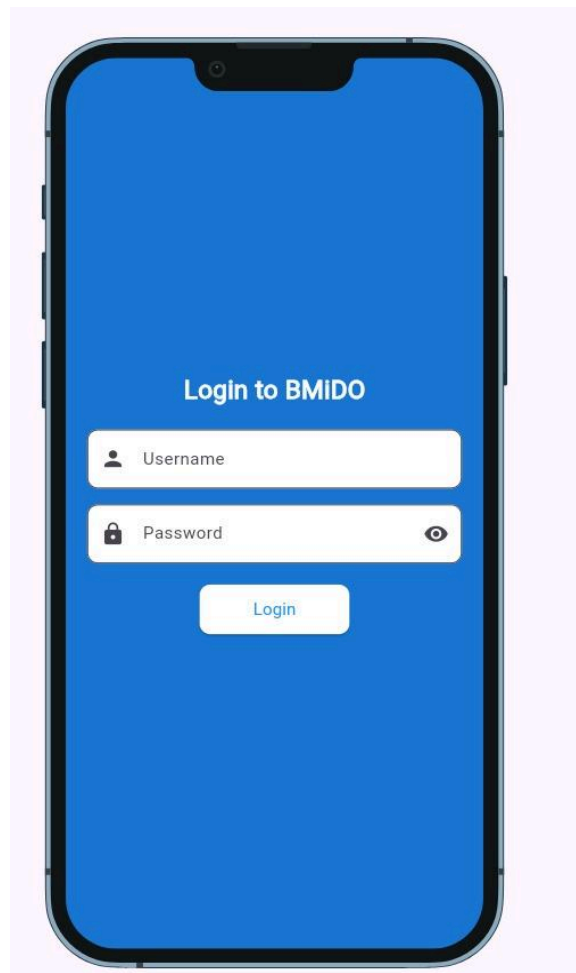## **Aim:-**   **To design Flutter UI by including common widgets.**

Theory:-

In this experiment, we designed a Flutter-based BMI Calculator application by integrating several commonly used Flutter widgets to create a smooth and functional user interface. The app features widgets like `TextField`, `ElevatedButton`, `IconButton`, `Slider`, `Text`, and layout widgets such as `Column`, `Row`, and `Container`.

Each screen of the app demonstrates practical use of these widgets — from login authentication to inputting data and displaying results. This helps in understanding how to build structured, interactive, and responsive UI components using Flutter's widget-based architecture.
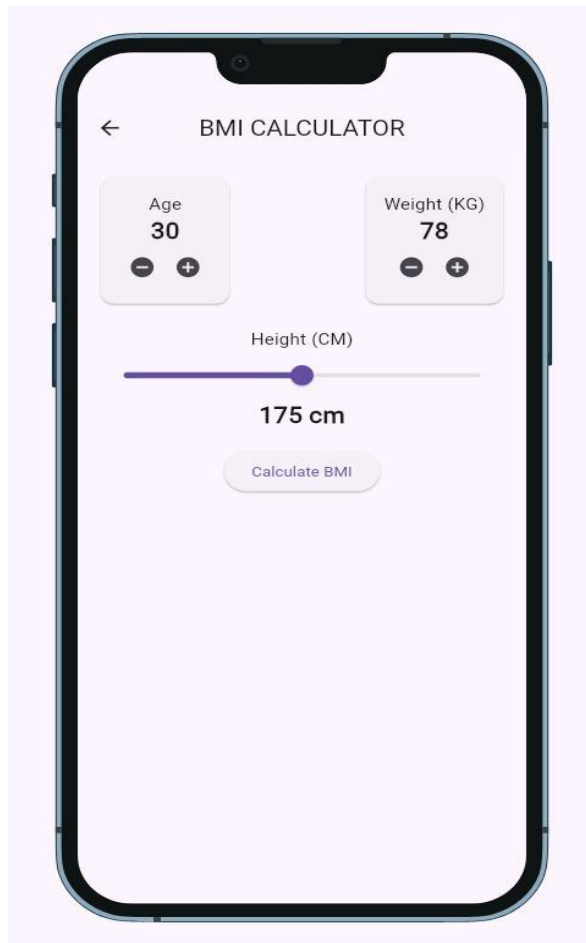
Screenshots:-

1. Login Screen

- Uses common widgets like `TextField`, `Icon`, `Button`, and layout containers.

2. BMI Input Form

- Implements interactive widgets: `Slider`, `IconButton`, `Text`, and numeric input using structured layout widgets.

Conclusion:-

This experiment helped us explore and implement commonly used Flutter widgets to design an interactive and user-friendly UI. It provided a strong foundation for building structured mobile interfaces efficiently.