Name: Priyank Kulkarni   **Roll No:**32

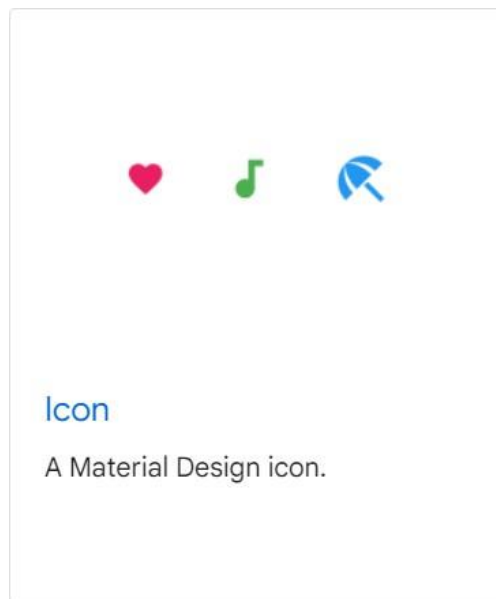## Experiment 03

Aim: To include icons, images, <u>fonts</u> in Flutter app.

Theory:

Icons:

Flutter provides support for Material icons and Cupertino icons out of the box. To use these icons, you can use the Icon widget and specify the icon you want to use by passing theappropriate icon data.
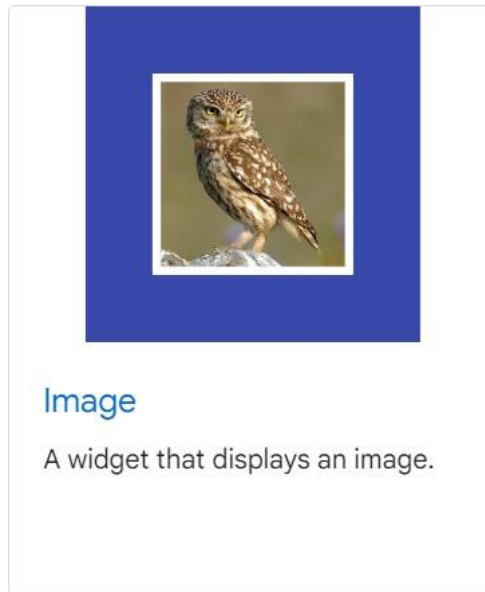
Icon(Icons.favorite); // Material icon

Icon
A Material Design icon.

Images:

You can include images in your Flutter app by placing them in the assets folder in your projectdirectory. Then, you need to declare these assets in the pubspec.yaml file.

flutter:

 assets:

  - assets/my_image.png

Image

A widget that displays an image.

Fonts:

To include custom fonts in your Flutter app, you first need to add the font files (e.g., .ttf, .otf) toyour project directory. Then, declare the font files in the pubspec.yaml file.

```
flutter:
  fonts:
    - family:
      MyCustomFontfonts:
        - asset: assets/fonts/my_custom_font.ttf
```

After declaring the fonts, you can use them in your Flutter app by specifying the font family intext widgets.

Text(

'Hello World',

style: TextStyle(

fontFamily: 'MyCustomFont',

),

);

Code:

```dart
import 'package:flutter/material.dart';

void main() {
  runApp(MyApp())
  ;
}

class MyApp extends
  StatelessWidget {@override
  Widget build(BuildContext
    context) {return MaterialApp(
      title: 'Custom Font, Image, and Icon
      Demo',theme: ThemeData(
        primarySwatch: Colors.blue,
      ),
      home: Scaffold(
        appBar: AppBar(
          title: Text('Custom Font, Image, and Icon Demo'),
        ),
        body: Center(
          child: Column(
```

```
mainAxisAlignment:

MainAxisAlignment.center,children: [

 // Text with custom

 fontCenter(

  child: Text(

   'Click on the icon to Download

   image!',style: TextStyle(

    fontFamily:

    'CustomFont',fontSize:

    22.0,

    fontStyle: FontStyle.normal, // Fix this line

   ),

   textAlign: TextAlign.center, // Align text center

  ),

 ),


 SizedBox(height: 20.0),

 // Image

 Image.ass

 et(

  'assets/custom_image.j

  pg',width: 200.0,

  height: 200.0,

 ),
```

```
SizedBox(height: 20.0),
```

```
          // Built-in

          IconIcon(

           Icons.file_downloa

           d,size: 50.0,

           color: const Color.fromARGB(255, 58, 57, 57),

          ),

        ],

      ),

     ),

    ),

   );

  }

}
```
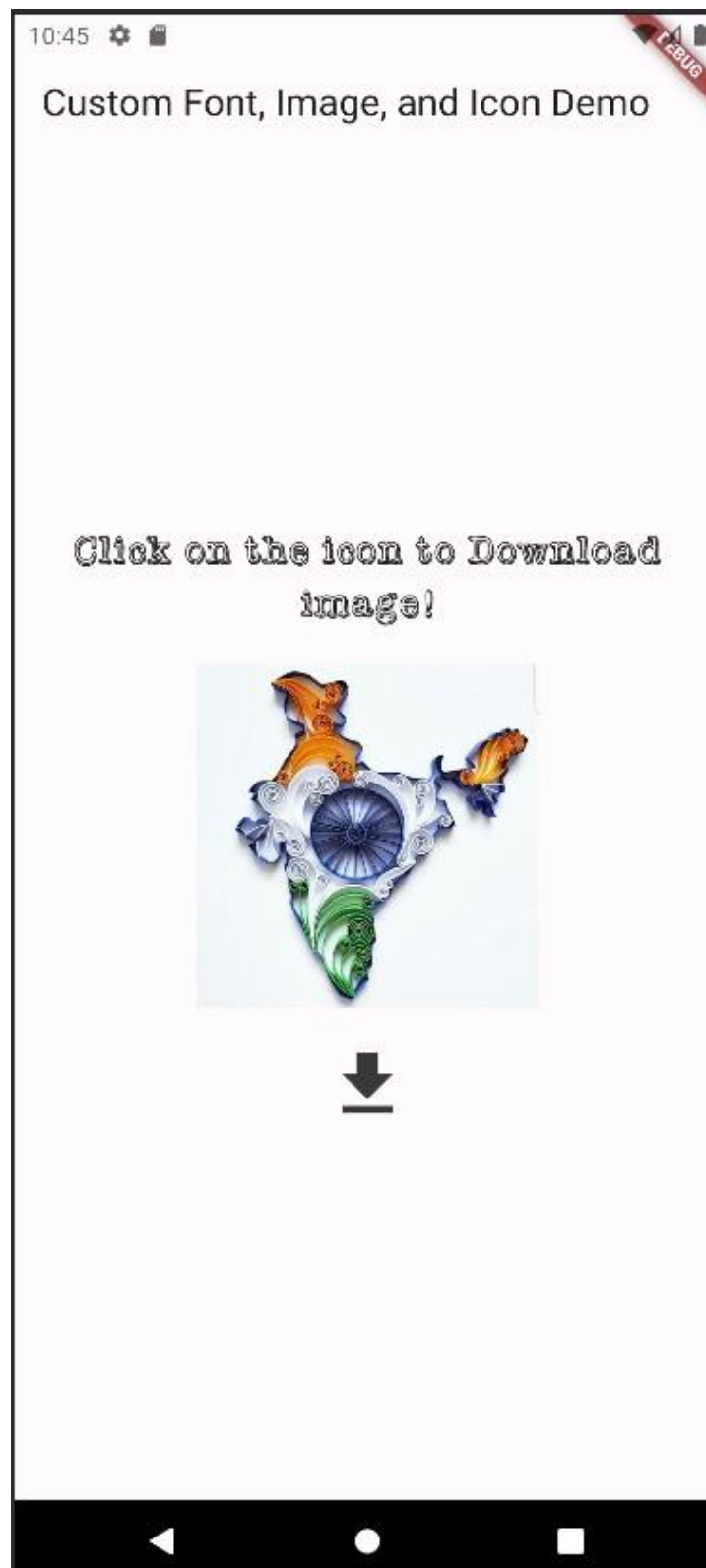
Pubsec.yaml:

```
flutter:

 fonts:

  - family:

    CustomFontfonts:

      - asset:

 fonts/CustomFont.ttfassets:

  - assets/custom_image.jpg
```

Output:

Conclusion:

I learnt to implement custom font, icon and image in Flutter application.