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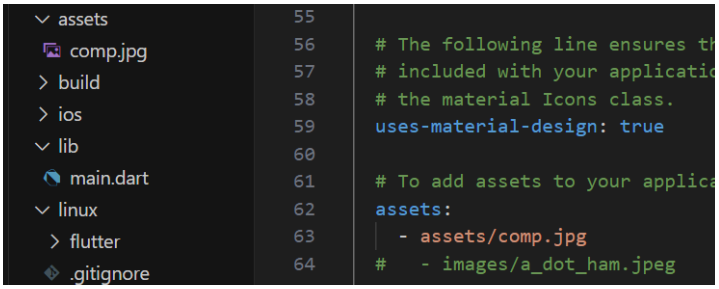
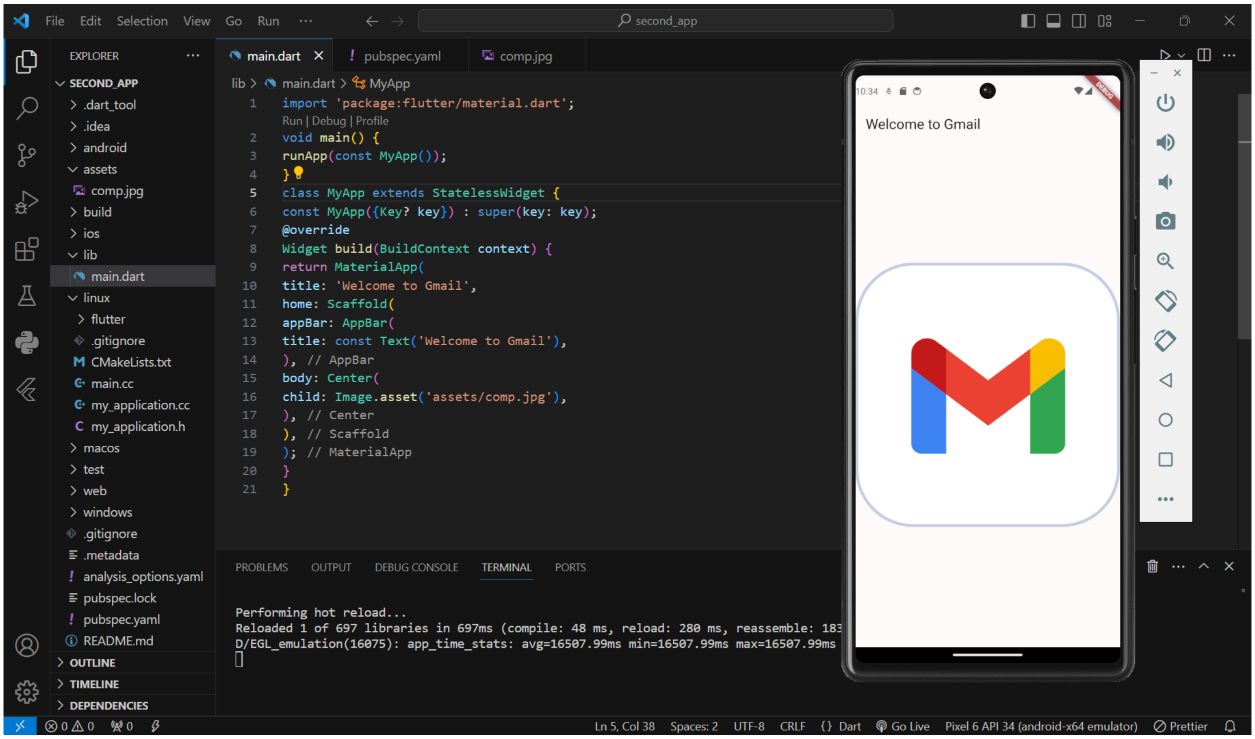
Experiment 3

Aim:To include icons, images, fonts in Flutter app

Code and output:



```yaml

  # The following line ensures th
  # included with your applicatio
  # the material Icons class.
  uses-material-design: true

  # To add assets to your applica
  assets:
    - assets/comp.jpg
  #   - images/a_dot_ham.jpeg
```



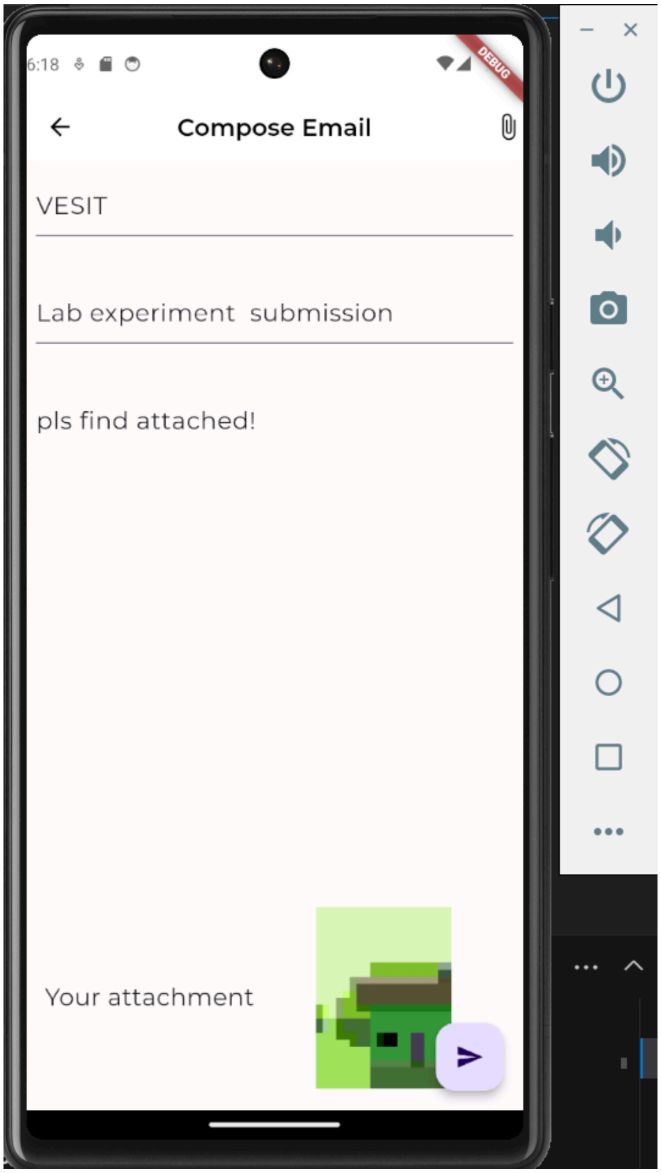
```dart
import 'package:flutter/material.dart';
void main() {
runApp(const MyApp());
}
class MyApp extends StatelessWidget {
const MyApp({Key? key}) : super(key: key);
@override
Widget build(BuildContext context) {
return MaterialApp(
title: 'Welcome to Gmail',
home: Scaffold(
appBar: AppBar(
title: const Text('Welcome to Gmail'),
), // AppBar
body: Center(
child: Image.asset('assets/comp.jpg'),
), // Center
), // Scaffold
); // MaterialApp
}
}
```

```
Performing hot reload...
Reloaded 1 of 697 libraries in 697ms (compile: 48 ms, reload: 280 ms, reassemble: 183
D/EGL_emulation(16075): app_time_stats: avg=16507.99ms min=16507.99ms max=16507.99ms
```

Code:

```
import 'dart:io';
import 'package:flutter/material.dart';
import 'package:gmail_clone/variables.dart';
import 'package:image_picker/image_picker.dart';
import 'package:uuid/uuid.dart';
class AddMail extends StatefulWidget {
  const AddMail({super.key});

  @override
  State<AddMail> createState() => _AddMailState();
}

class _AddMailState extends State<AddMail> {
  TextEditingController receiver = TextEditingController();
  TextEditingController subject = TextEditingController();
  TextEditingController mail = TextEditingController();
  bool uploading = false;

  var imagepath;
  pickimage(ImageSource imageSource) async {
    final image = await ImagePicker().pickImage(
      source: imageSource,
      maxWidth: 670,
      maxHeight: 800,
    );
    if (image != null) {
      setState(() {
        imagepath = File(image.path);
      });
      Navigator.pop(context);
    }
  }

  pickimagedialog() {
    return showDialog(
        context: context,
        builder: (context) {
          return SimpleDialog(
            children: <Widget>[
              SimpleDialogOption(
                onPressed: () => pickimage(ImageSource.gallery),
                child:
                    Text("From gallery", style: mystyle(20, Colors.lightBlue)),
              ),
              SimpleDialogOption(
                onPressed: () => pickimage(ImageSource.camera),
                child:
                    Text("From camera", style: mystyle(20, Colors.lightBlue)),
              ),
              SimpleDialogOption(
                onPressed: () => Navigator.pop(context),
                child: Text("Cancel", style: mystyle(20, Colors.lightBlue)),
              ),
            ],
          );
        });
  }
  String imageid = Uuid().v4();
  uploadimage() async {
    //Store image
    UploadTask storage = attachments.child(imageid).putFile(imagepath);
    //complete storage
    TaskSnapshot storageTaskSnapshot = await storage;
    //download pic
    String downloadedpic = await storageTaskSnapshot.ref.getDownloadURL();
    return downloadedpic;
  }
  @override
  Widget build(BuildContext context) {
    return Scaffold(
        floatingActionButton: FloatingActionButton(
          onPressed: () => sendmail(),
          child: Icon(Icons.send),
        ),
        appBar: AppBar(
          backgroundColor: Colors.white,
          actions: <Widget>[
            InkWell(
              onTap: () => pickimagedialog(),
              child: Icon(
                Icons.attach_file,
                color: Colors.black,
              ),
            ),
          ],
          title: Text(
            "Compose Email",
      style: mystyle(20, Colors.black, FontWeight.w600),
    ),
    centerTitle: true,
    leading: InkWell(
      onTap: () => Navigator.pop(context),
      child: Icon(
        Icons.arrow_back,
        color: Colors.black,
      ),
    ),
  ),
  body: uploading == true
      ? Center(
          child: Text(
          "Sending mail ...",
          style: mystyle(35),
        ))
      : Padding(
          padding: EdgeInsets.all(8.0),
          child: Column(
            children: <Widget>[
              Container(
                  width: MediaQuery.of(context).size.width,
                  height: MediaQuery.of(context).size.height * 0.1,
                  child: TextFormField(
                    controller: receiver,
                    style: mystyle(20),
                    decoration: InputDecoration(
                        hintText: "To", labelStyle: mystyle(20)),
                  )),
              Container(
                  width: MediaQuery.of(context).size.width,
                  height: MediaQuery.of(context).size.height * 0.1,
                  child: TextFormField(
                    controller: subject,
                    style: mystyle(20),
                    decoration: InputDecoration(
                        hintText: "Subject", labelStyle: mystyle(20)),
                  )),
              Expanded(
                child: Container(
                    width: MediaQuery.of(context).size.width,
                    child: TextFormField(
                      controller: mail,
                style: mystyle(20),
                maxLines: null,
                decoration: InputDecoration(
                 hintText: "Mail",
                 labelStyle: mystyle(20),
                 border: InputBorder.none,
                ),
               )),
            ),
            imagepath == null
              ? Container()
              : MediaQuery.of(context).viewInsets.bottom > 0
                ? Container()
                : Container(
                  alignment: Alignment.centerLeft,
                  margin: EdgeInsets.only(bottom: 10),
                  child: Row(
                   mainAxisAlignment:
                     MainAxisAlignment.spaceEvenly,
                   children: <Widget>[
                    Text(
                     "Your attachment",
                     style: mystyle(20),
                    ),
                    Container(
                     width: 200,
                     height: 150,
                     child: Image(image: FileImage(imagepath)),
                    )
                   ],
                  ))
           ],
          ),
         ));
   }
  }
```

Output:
Attaching image in mail composed,added icons



Compose Email

VESIT

Lab experiment submission

pls find attached!

Your attachment